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ABSTRACT

This textbook is based on the SMSG kindergarten and first grade materials as a framework. This special edition is designed to meet the needs of disadvantaged children. Chapters in the book include: (1) Sets and Numbers; (2) Numerals and the Number Line; (3) Sets of Ten; and (4) Introduction to Addition and Subtraction. The student text contains a variety of activities and exercises with limited directions. Detailed instructions for the teacher and background materials are included in the Teacher's Commentary. (RH)

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MATHEMATICS FOR THE ELEMENTARY SCHOOL

BOOK 1 (Part 1)

Student Text

SPECIAL EDITION (Revised)

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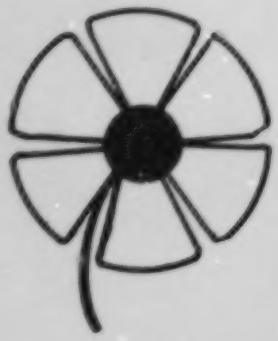
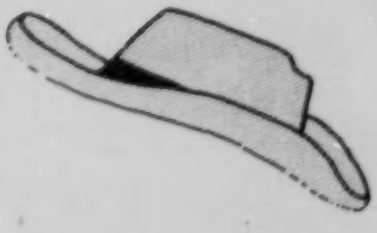
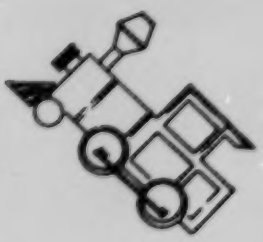
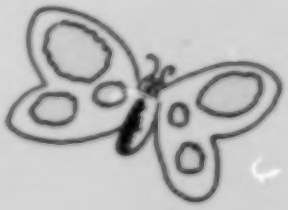






Set and member



The empty set

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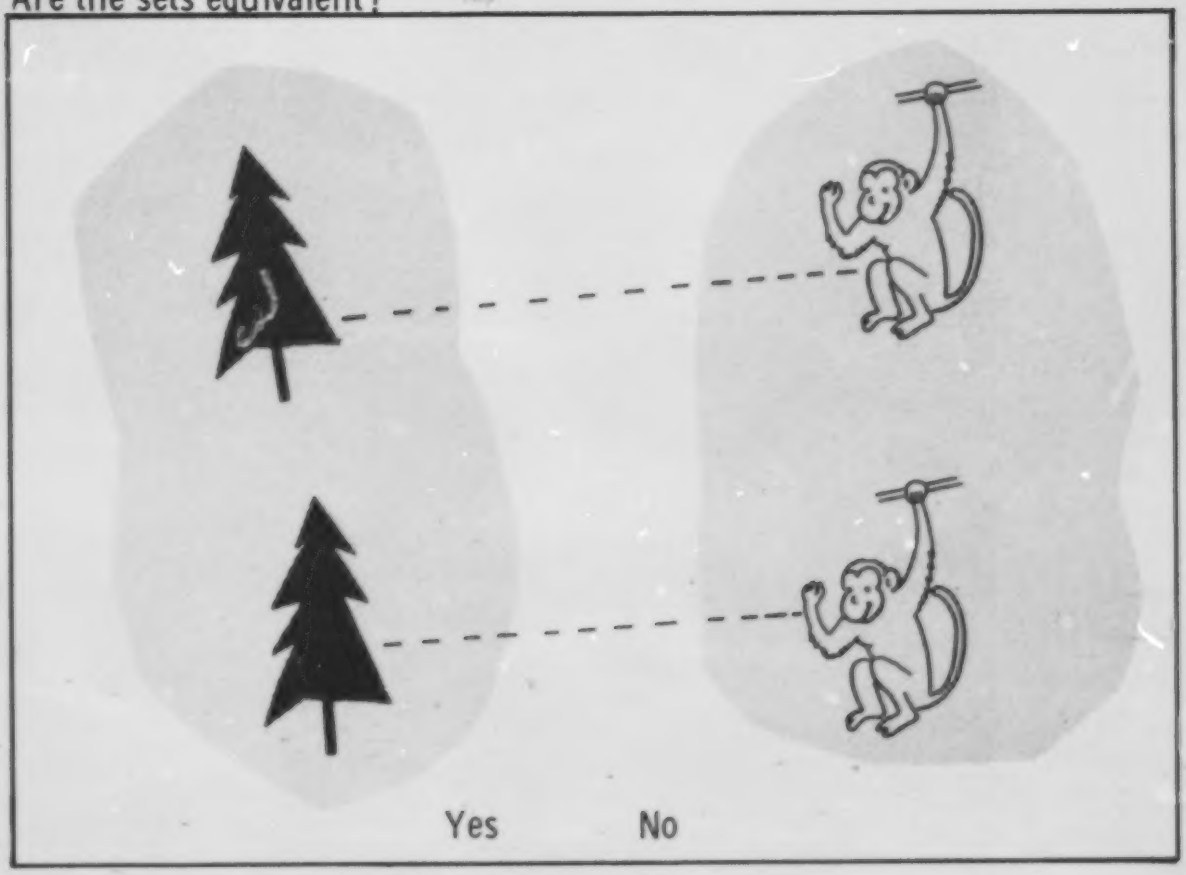

Yes No

Yes No

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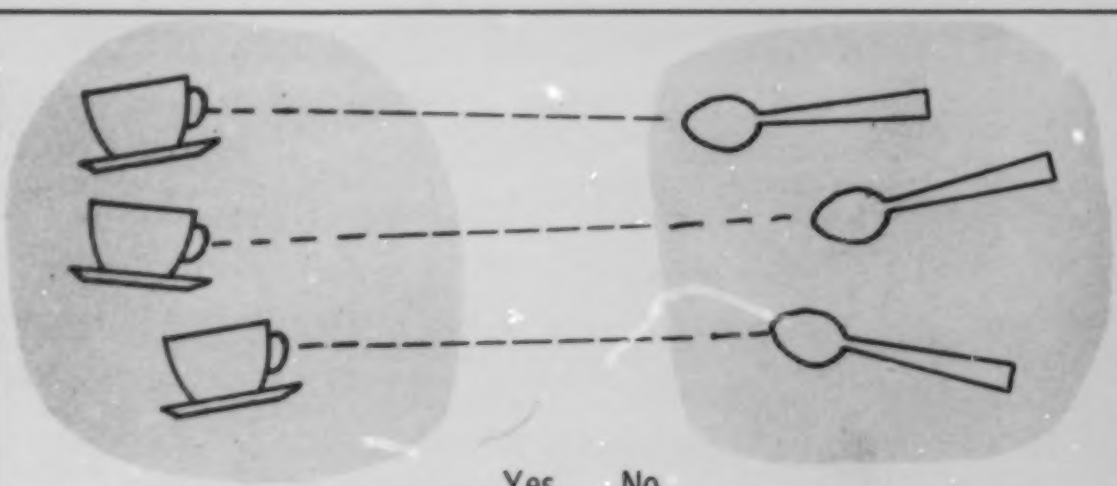

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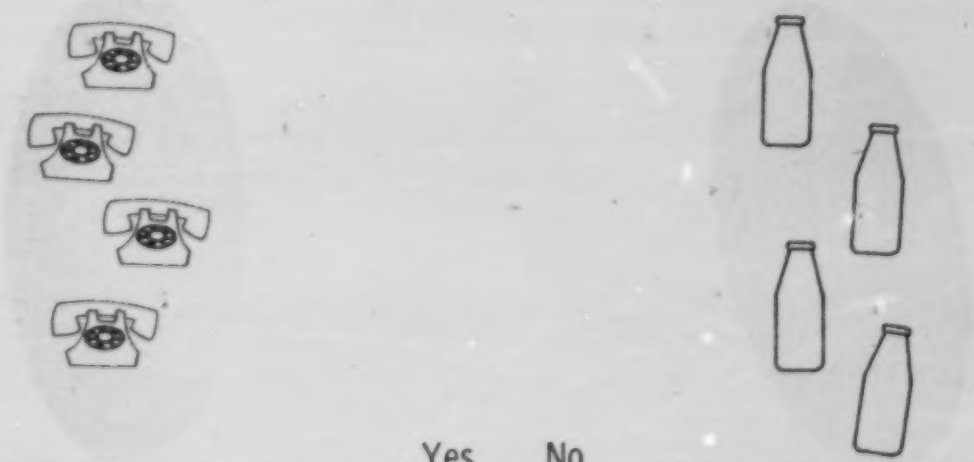
Yes No



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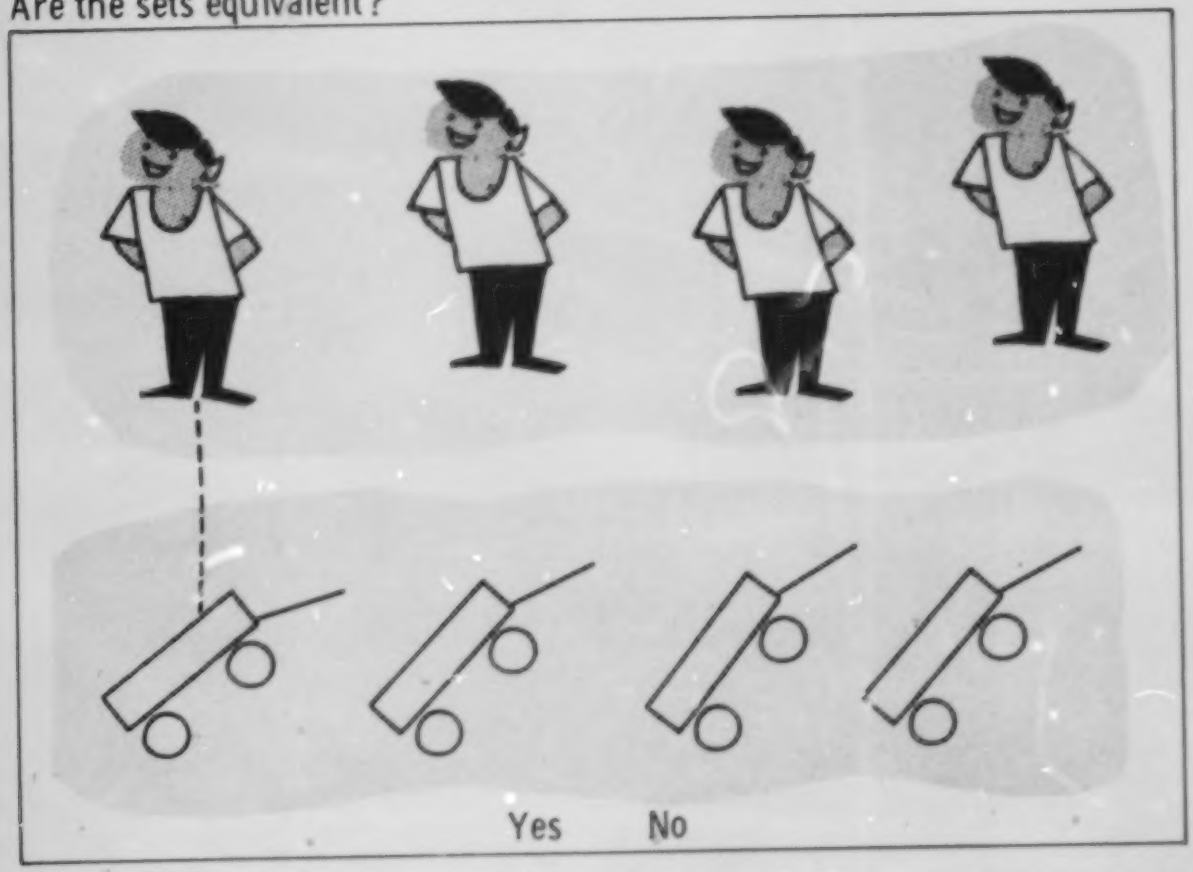

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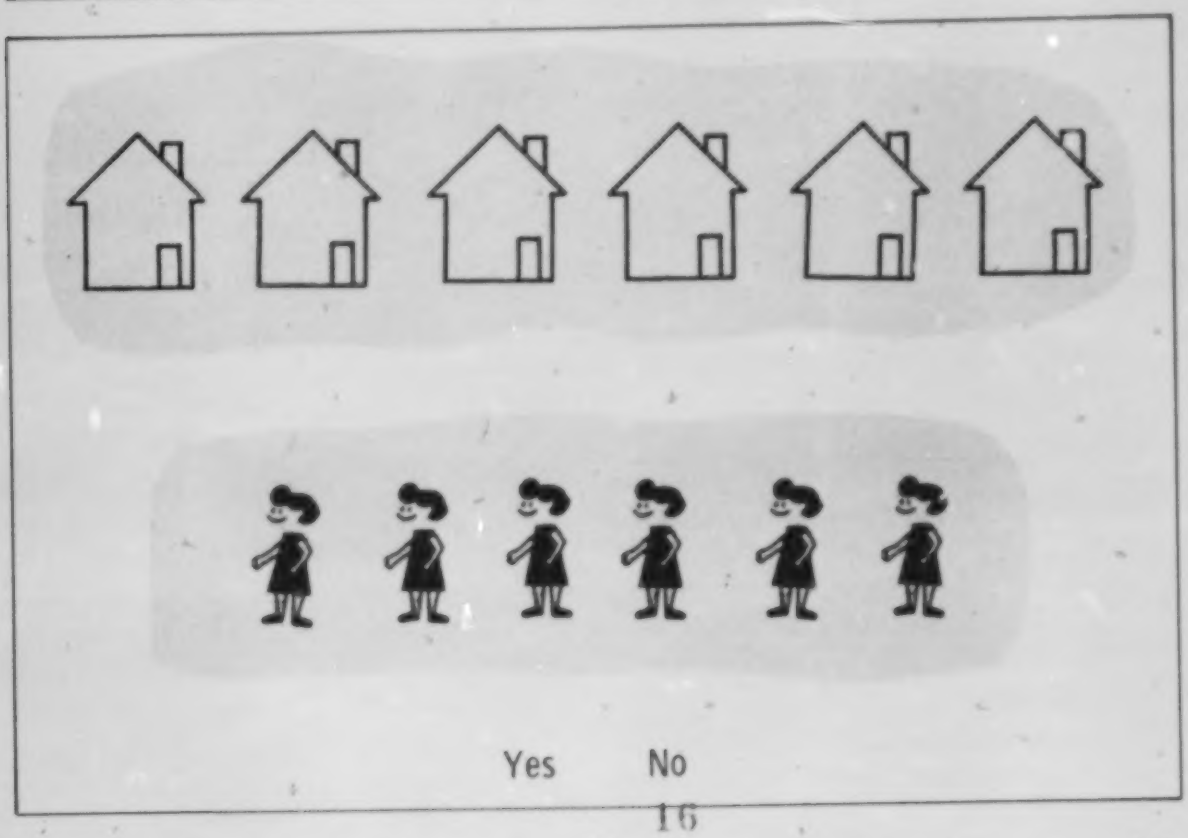

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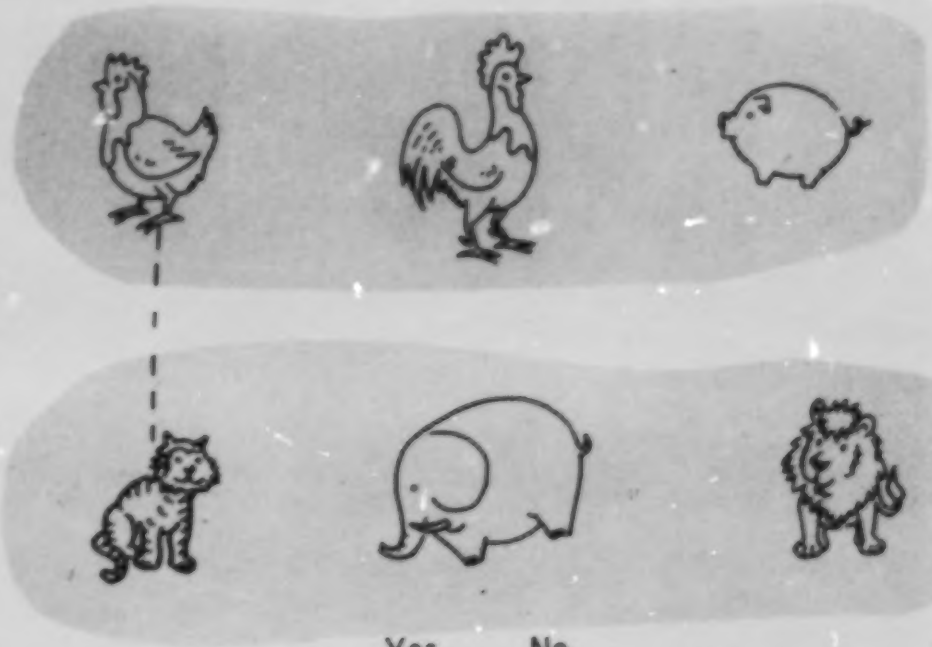

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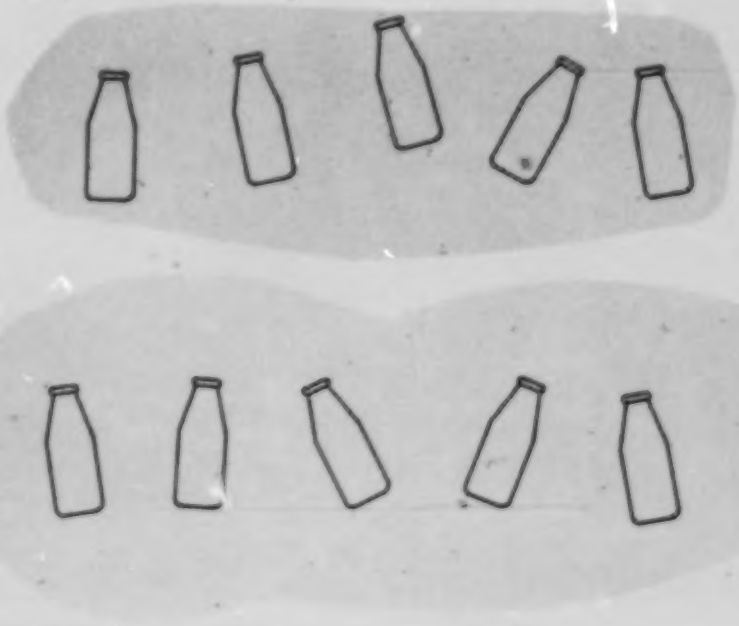

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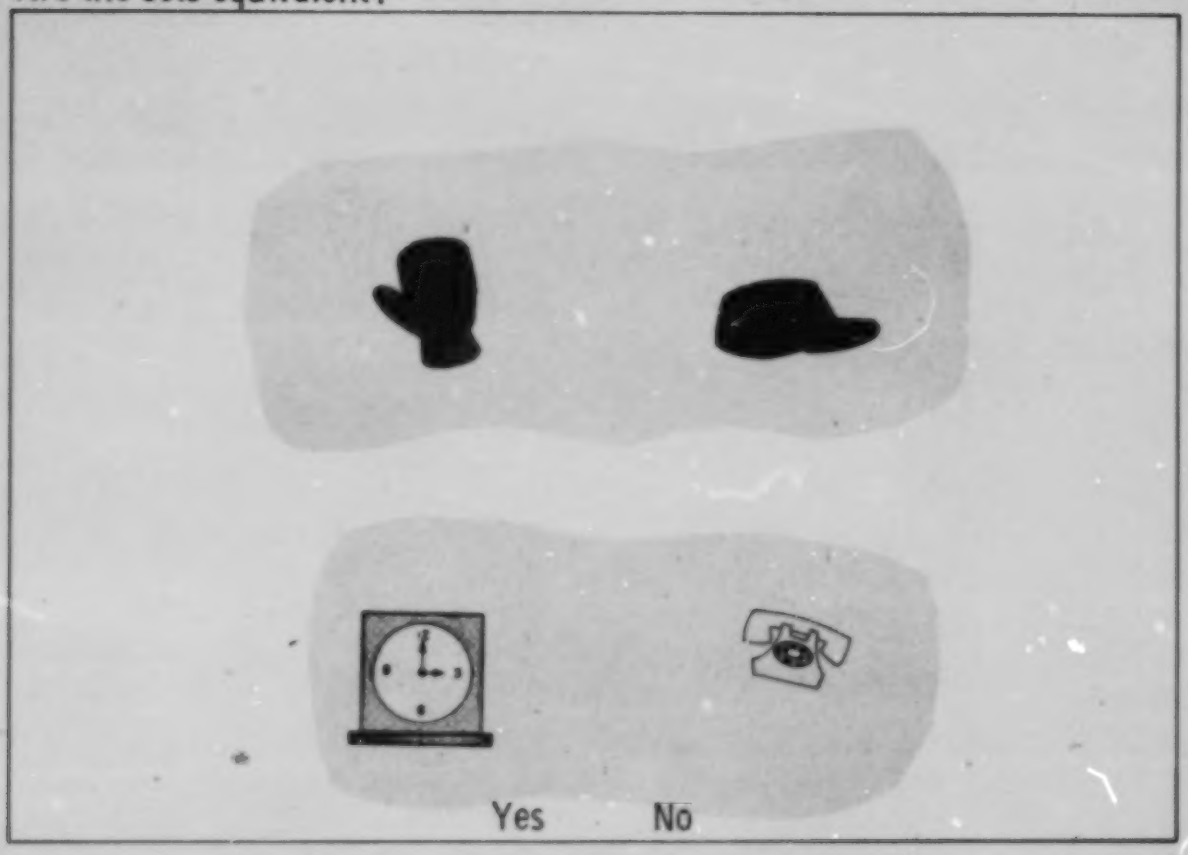

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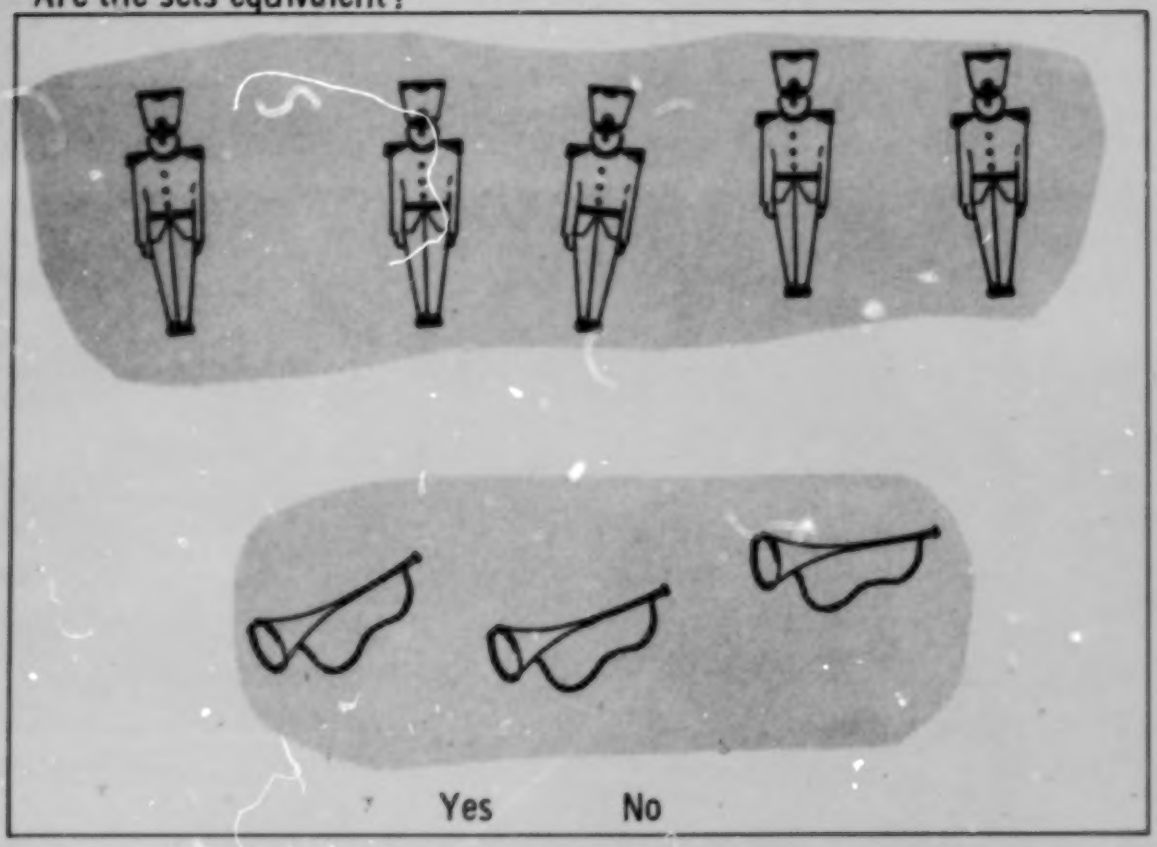

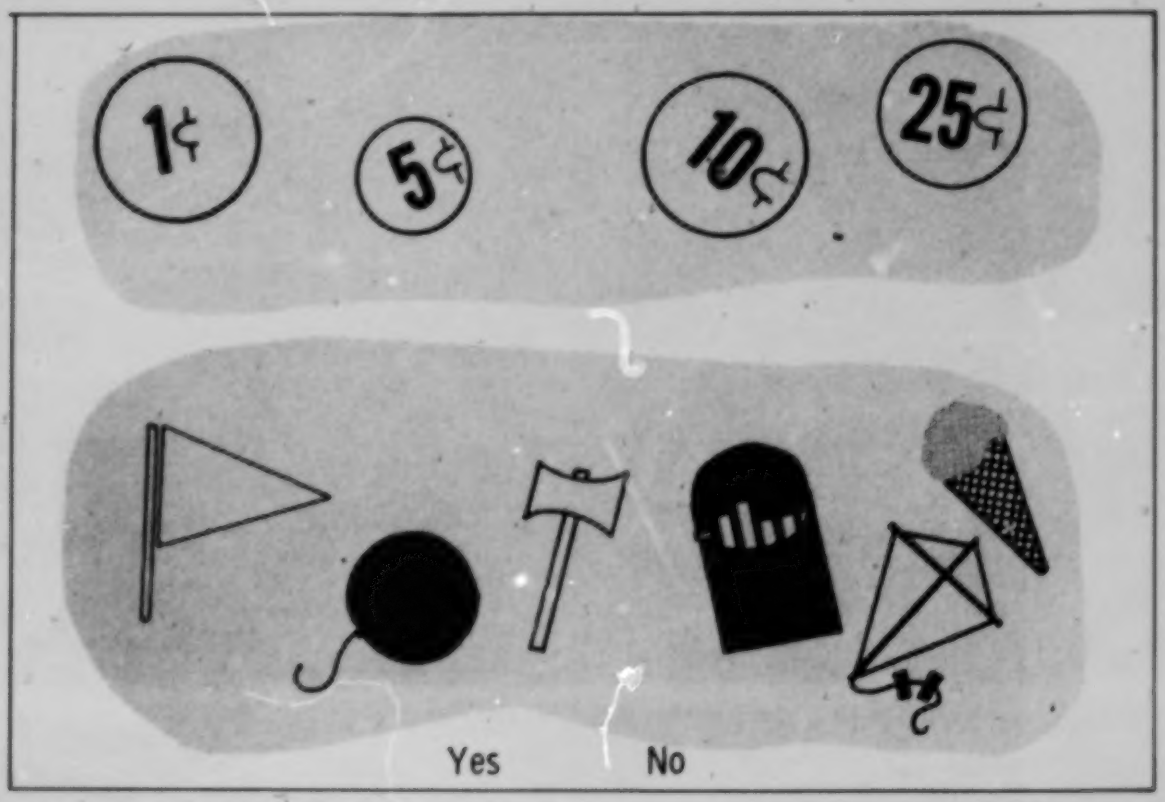

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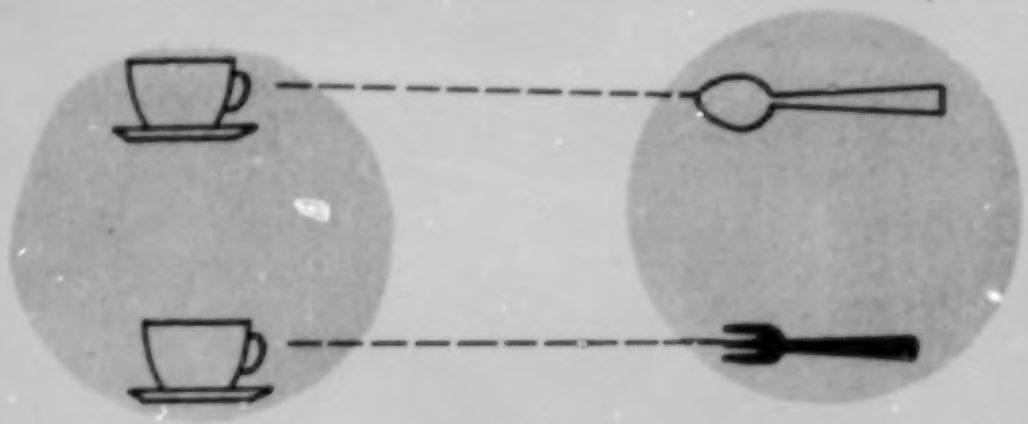

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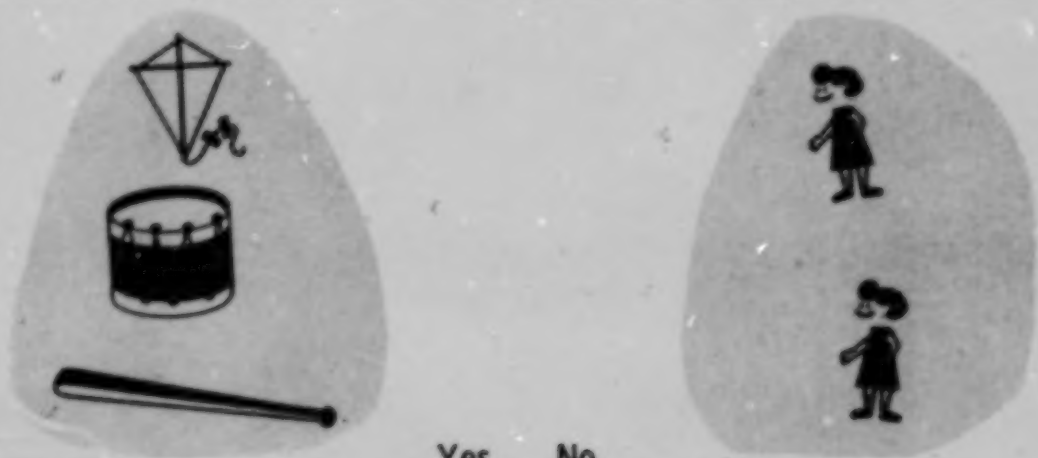

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Yes No

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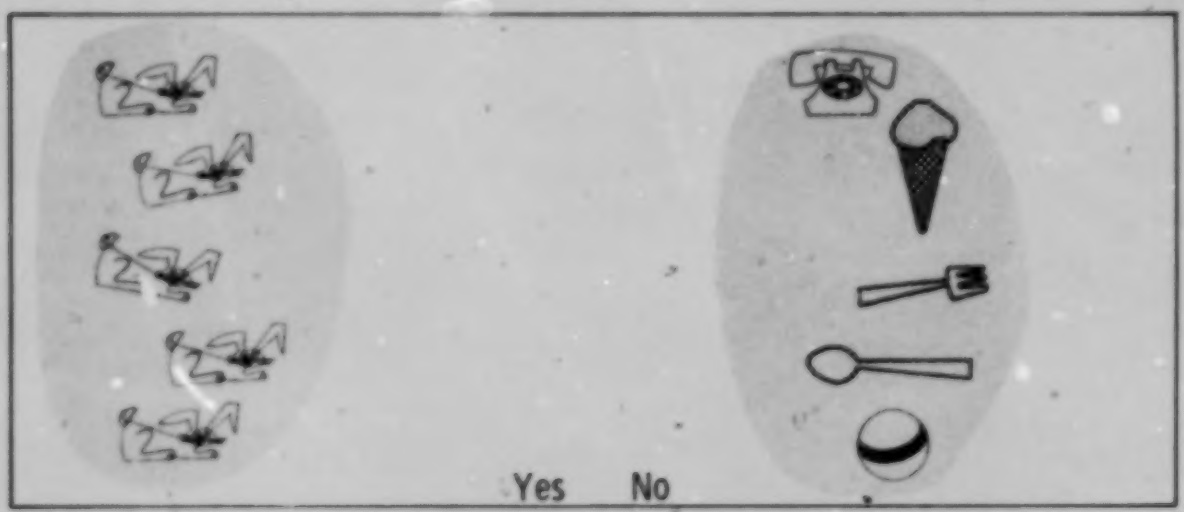

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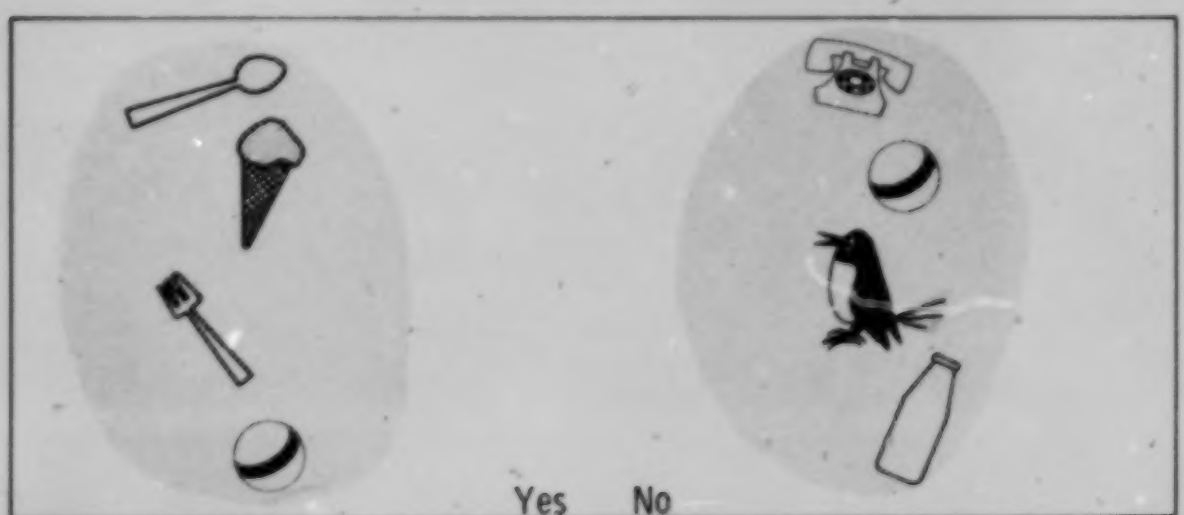

Yes No

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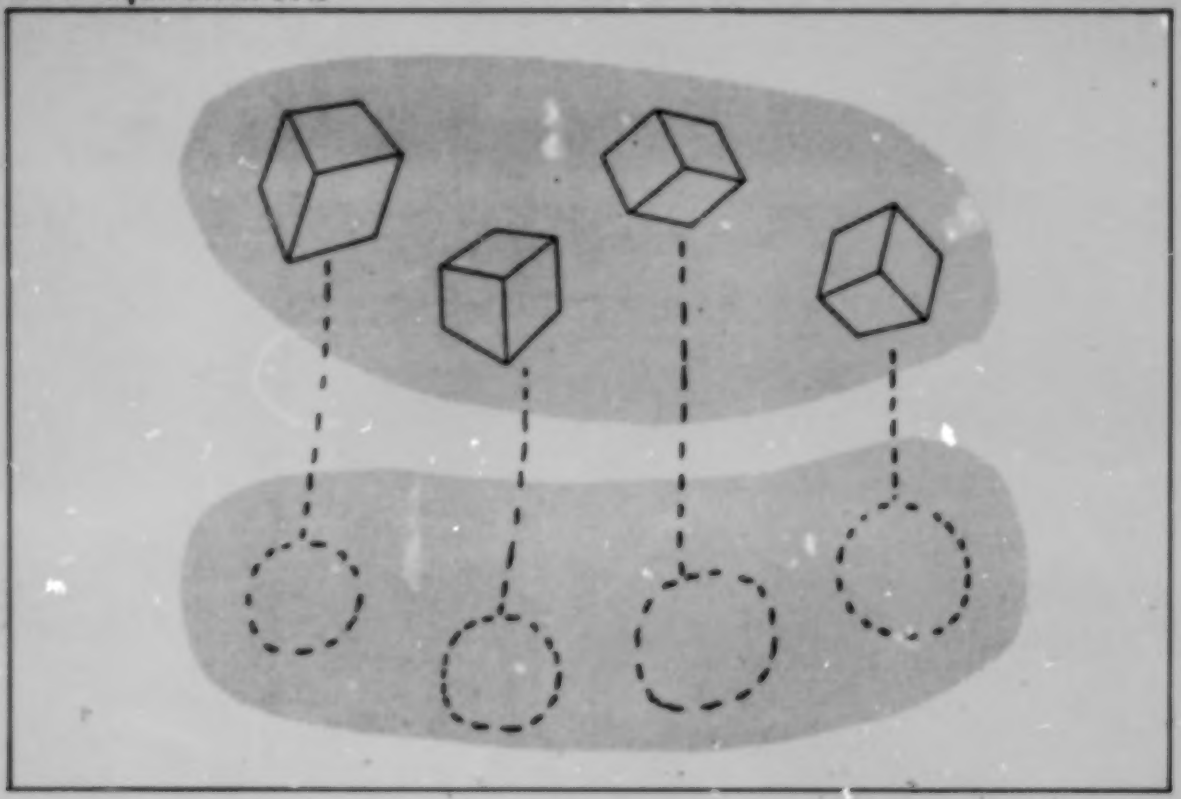

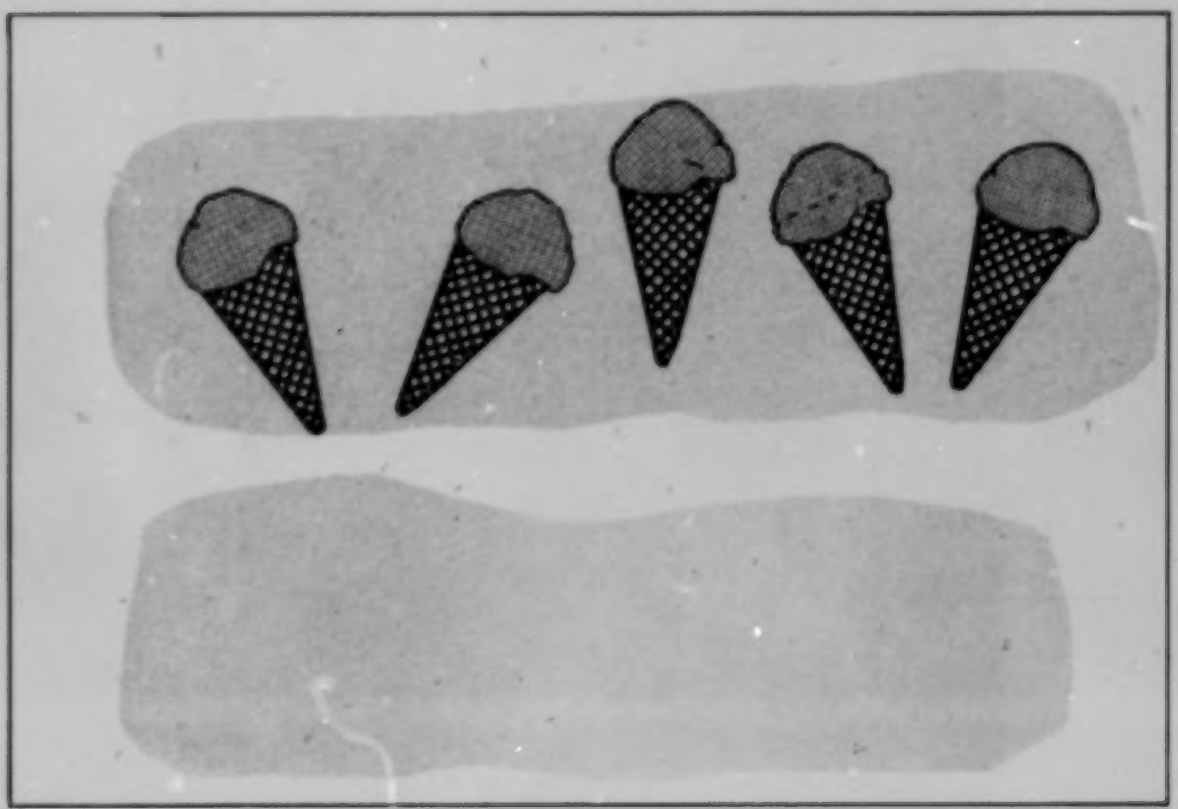

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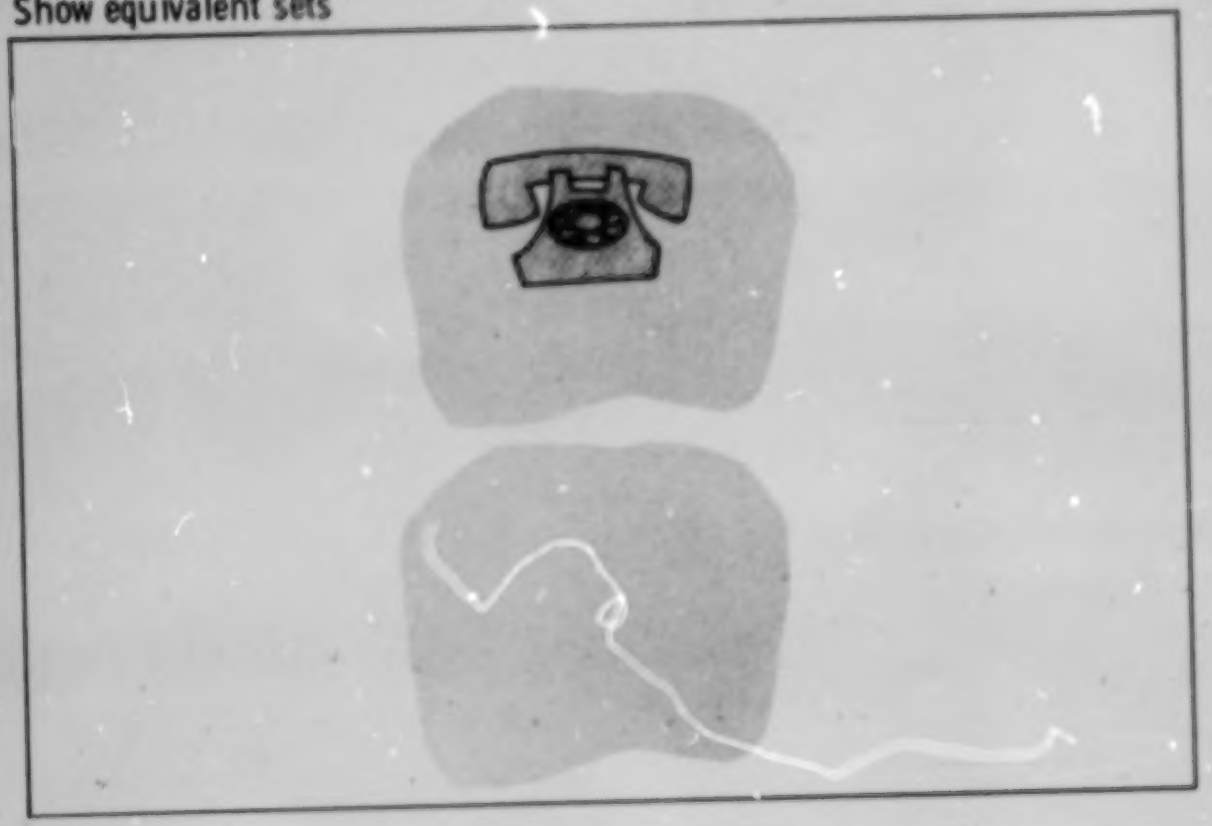

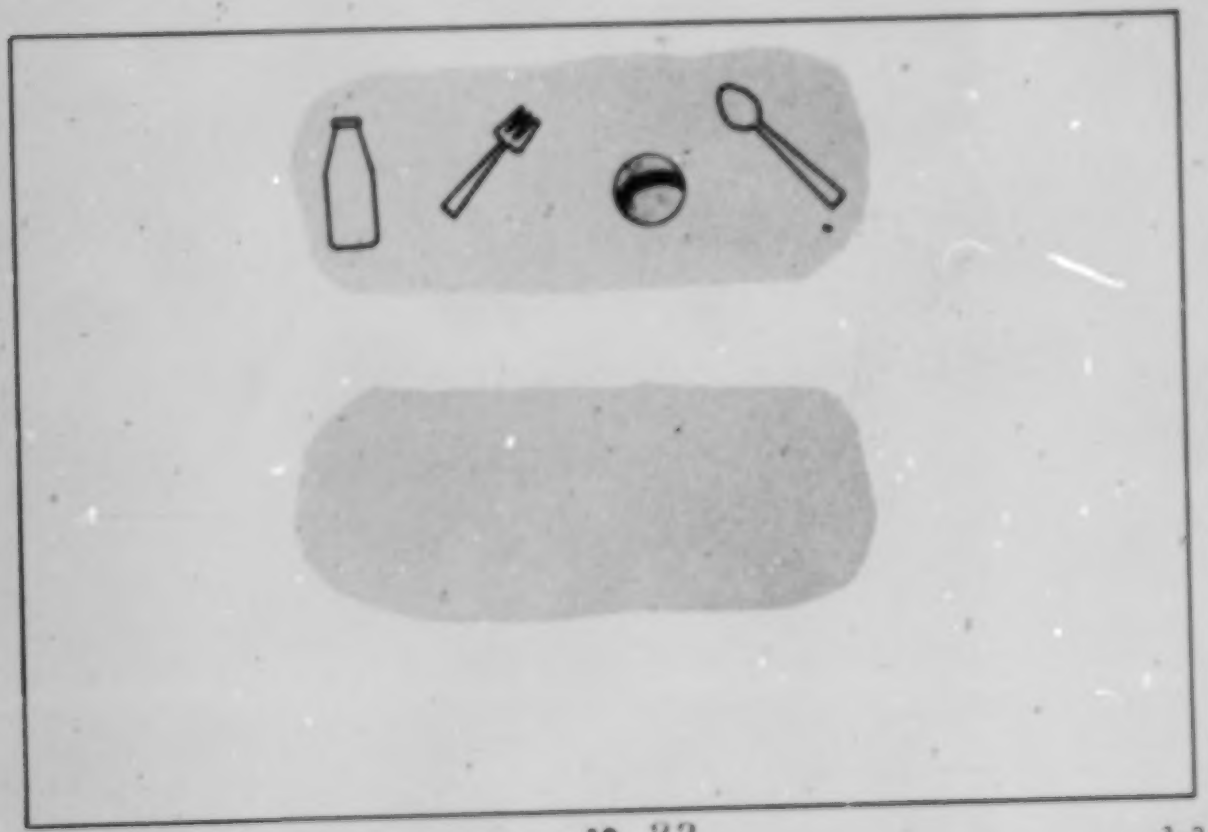

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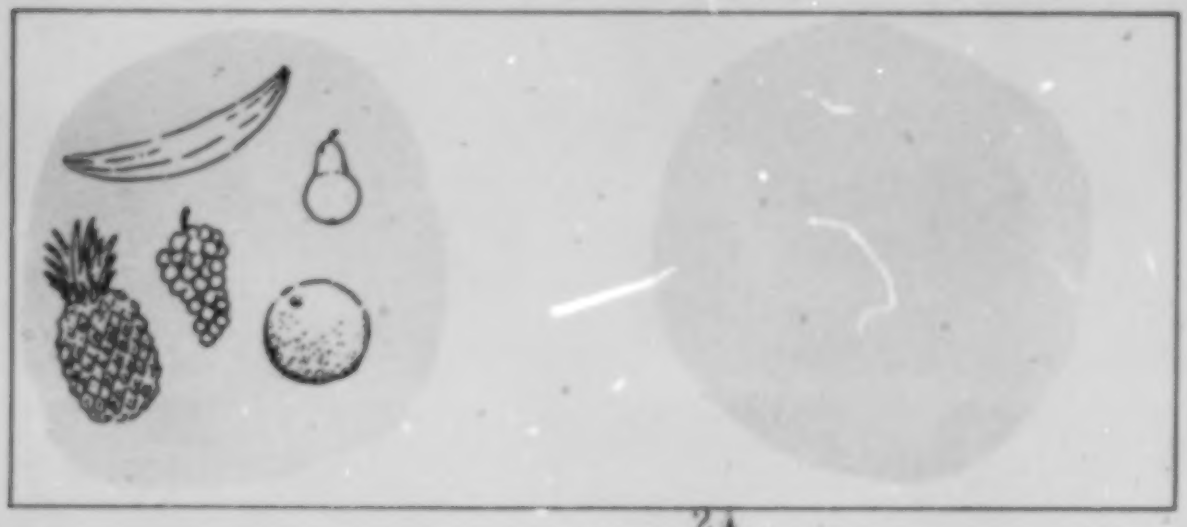

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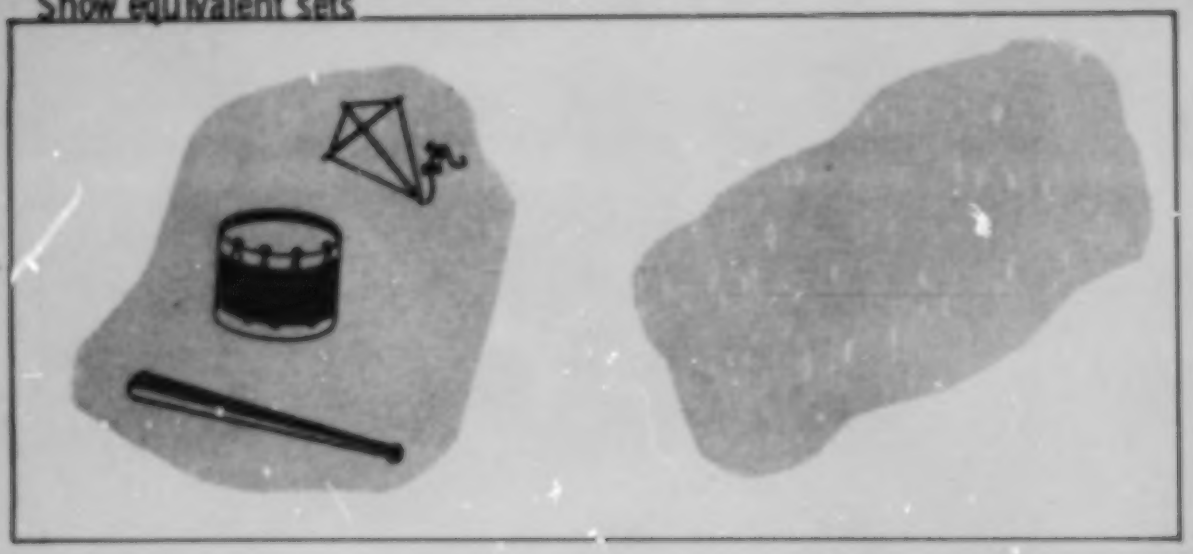

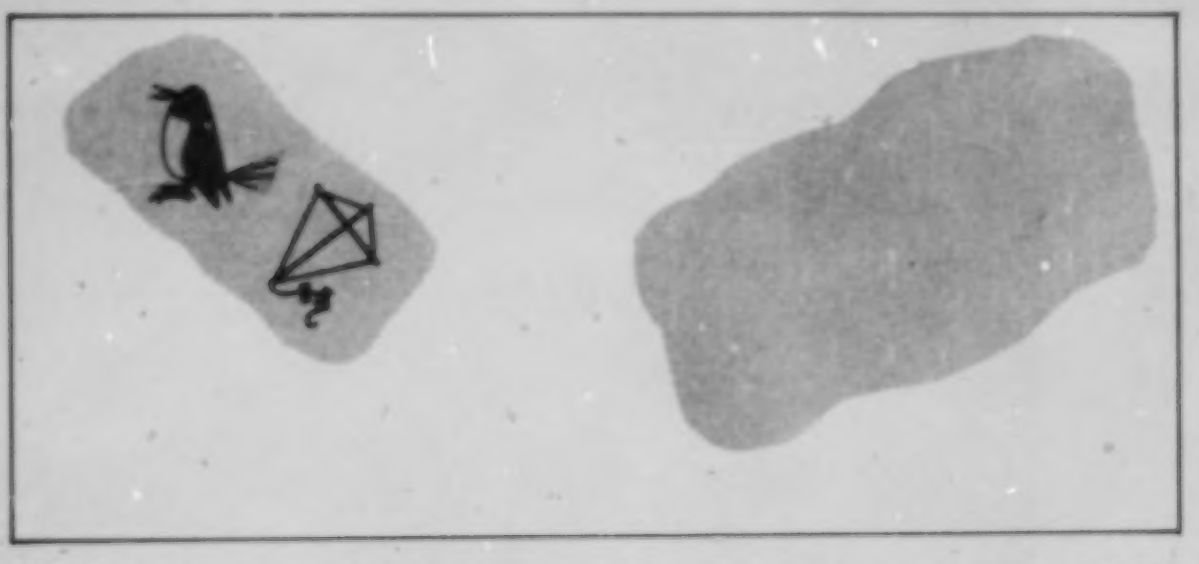

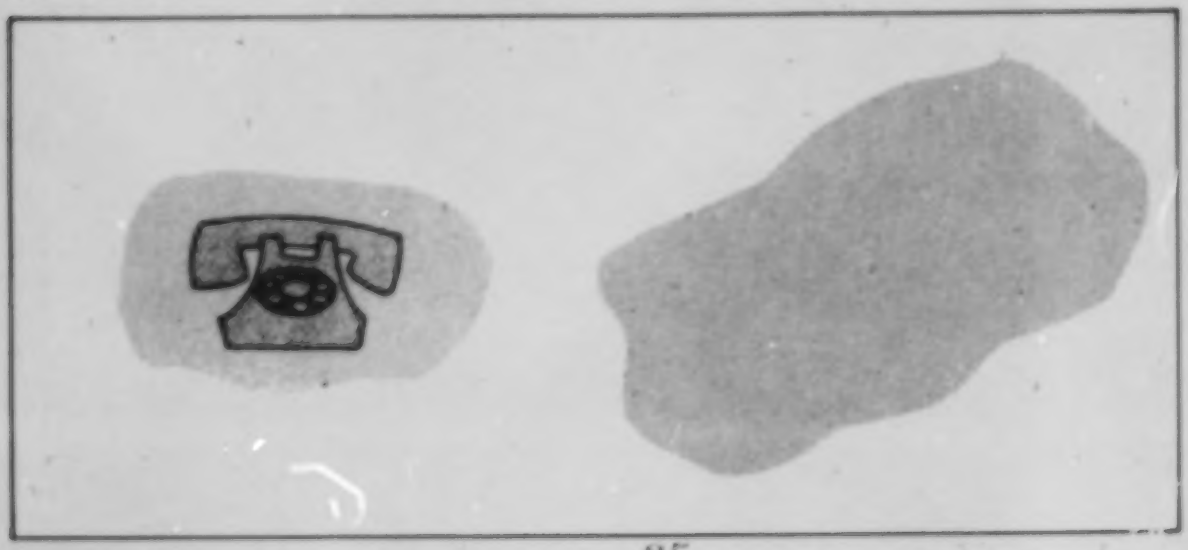

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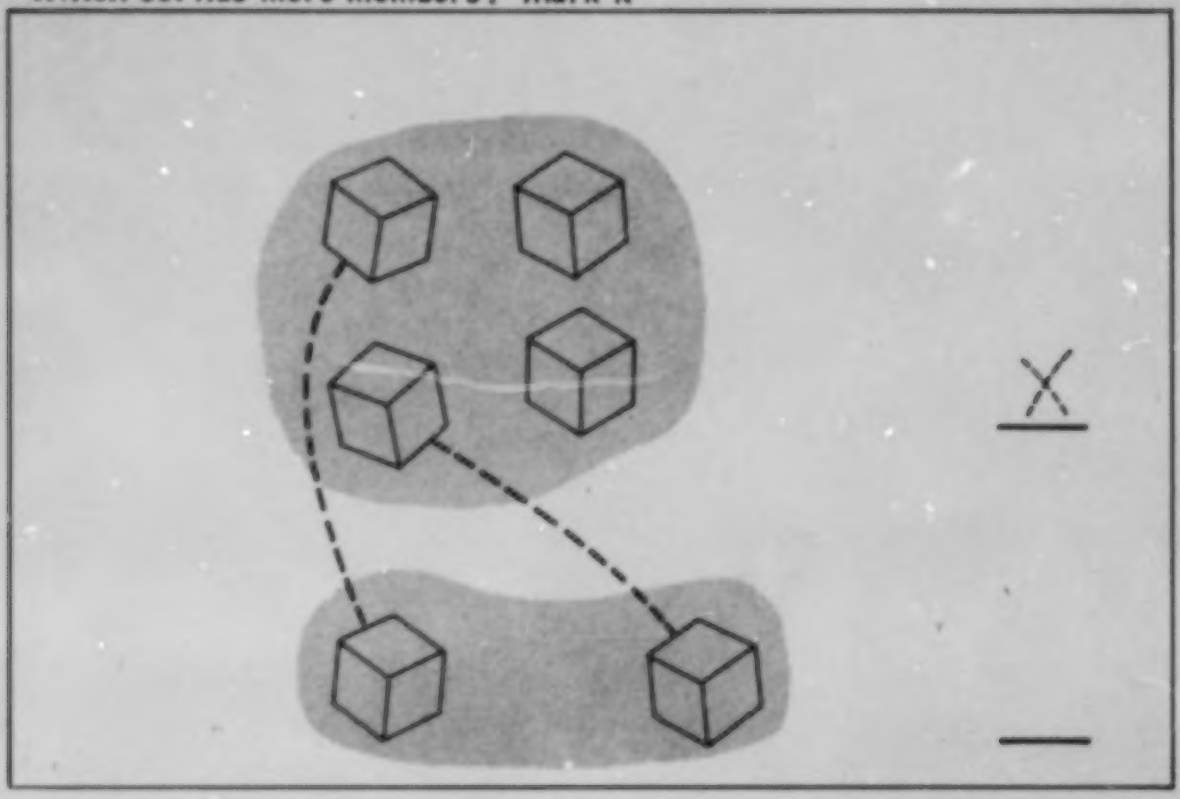

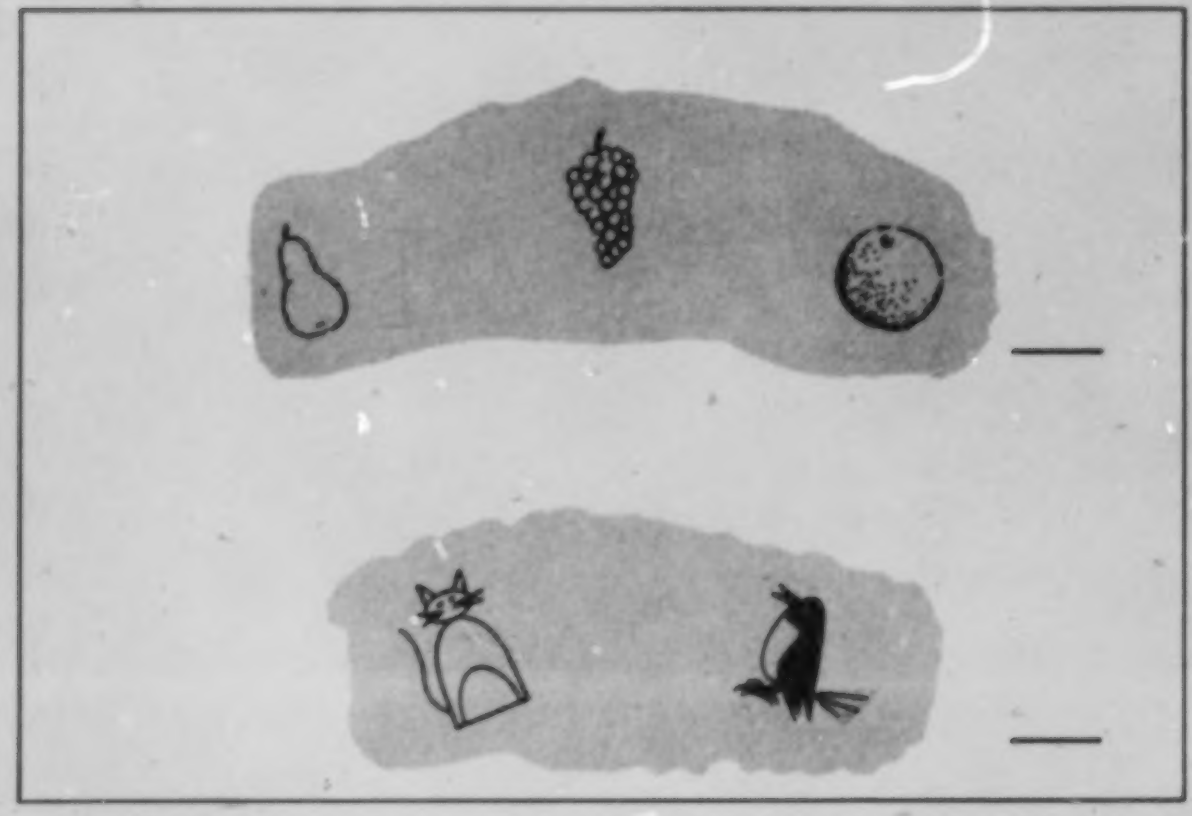

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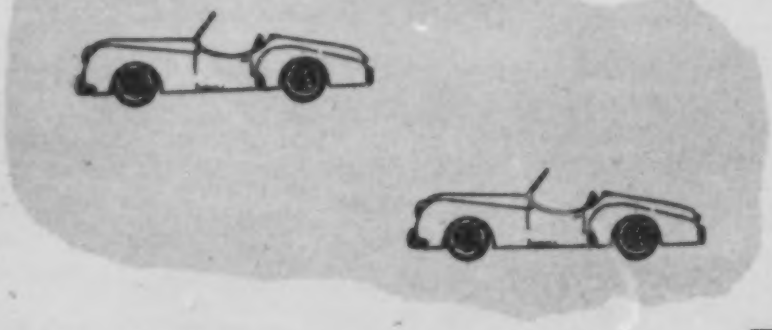

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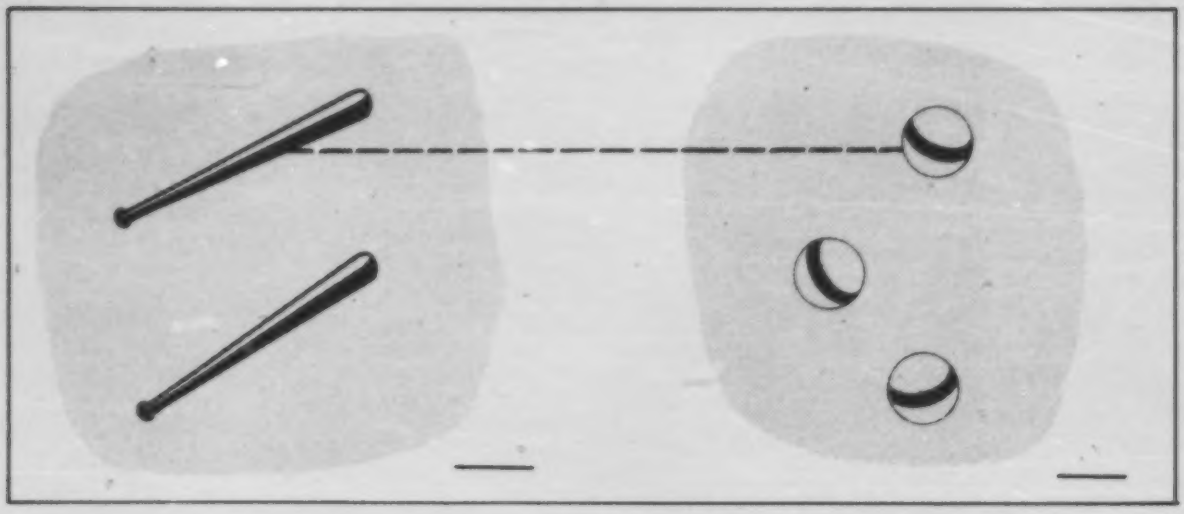

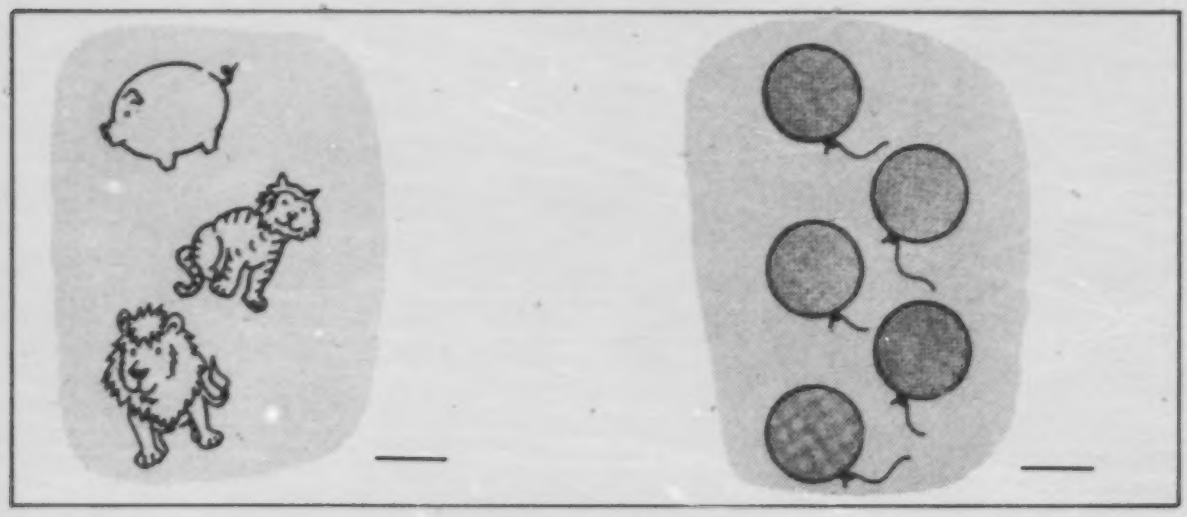

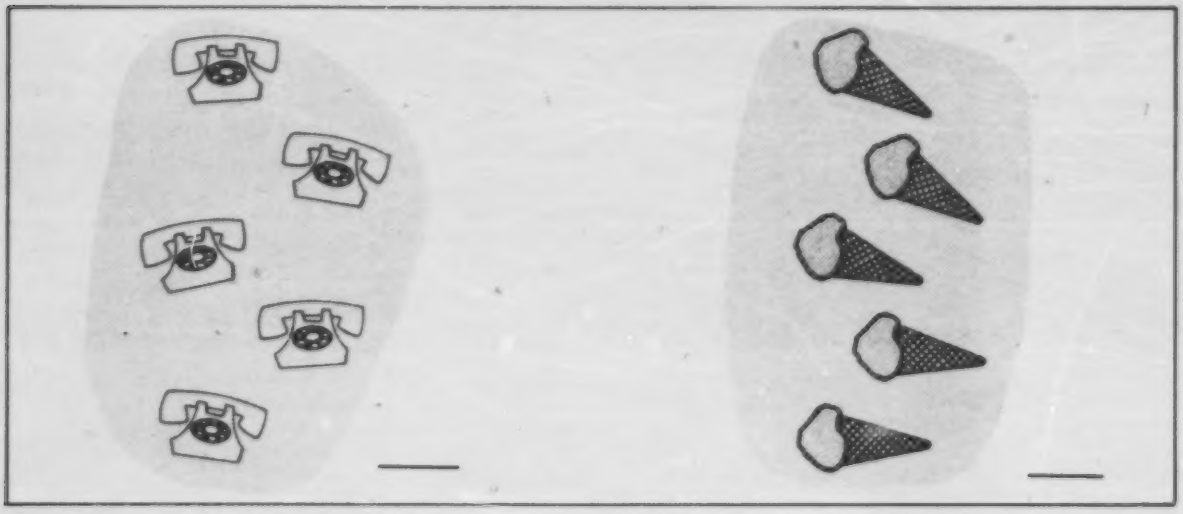

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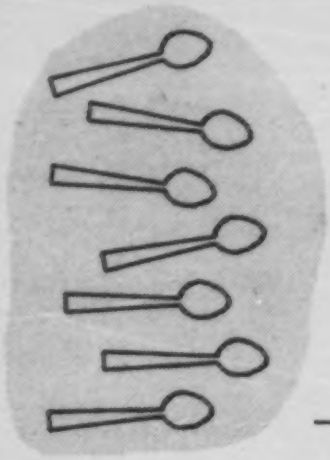

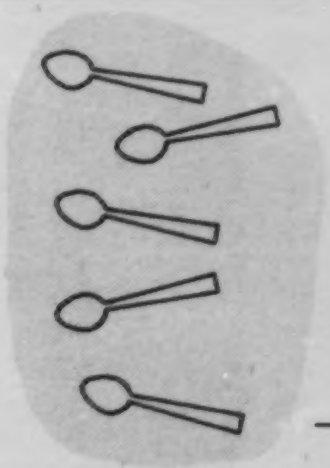

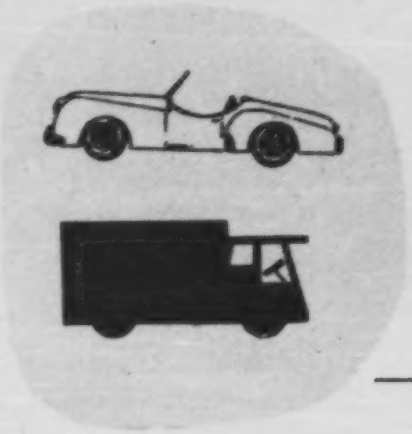

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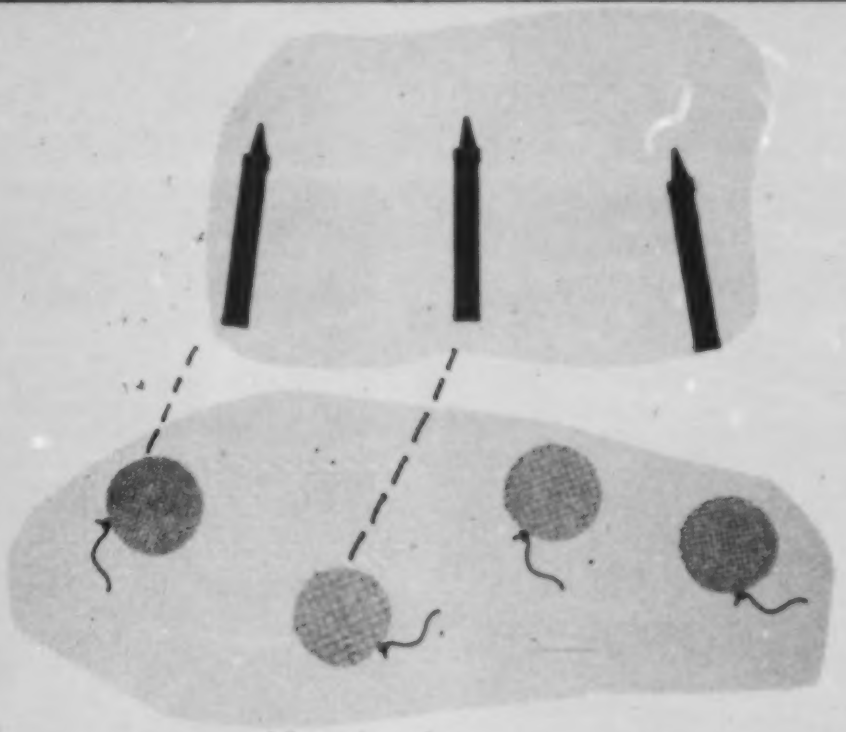

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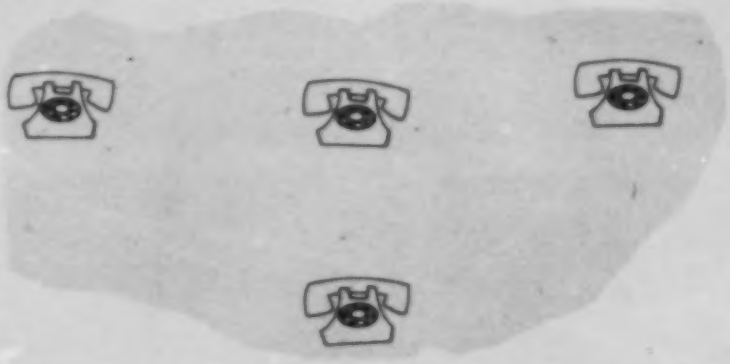

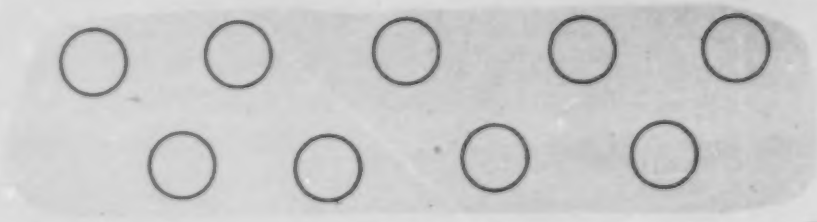

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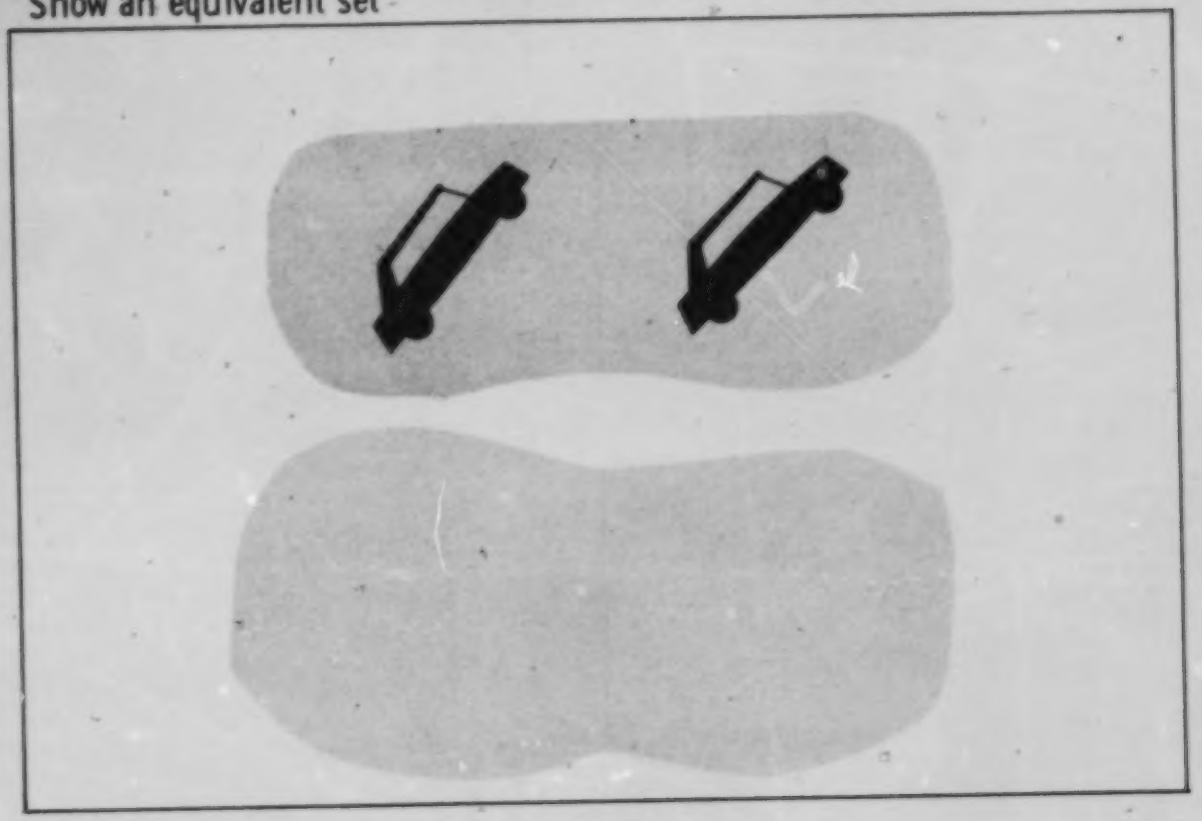

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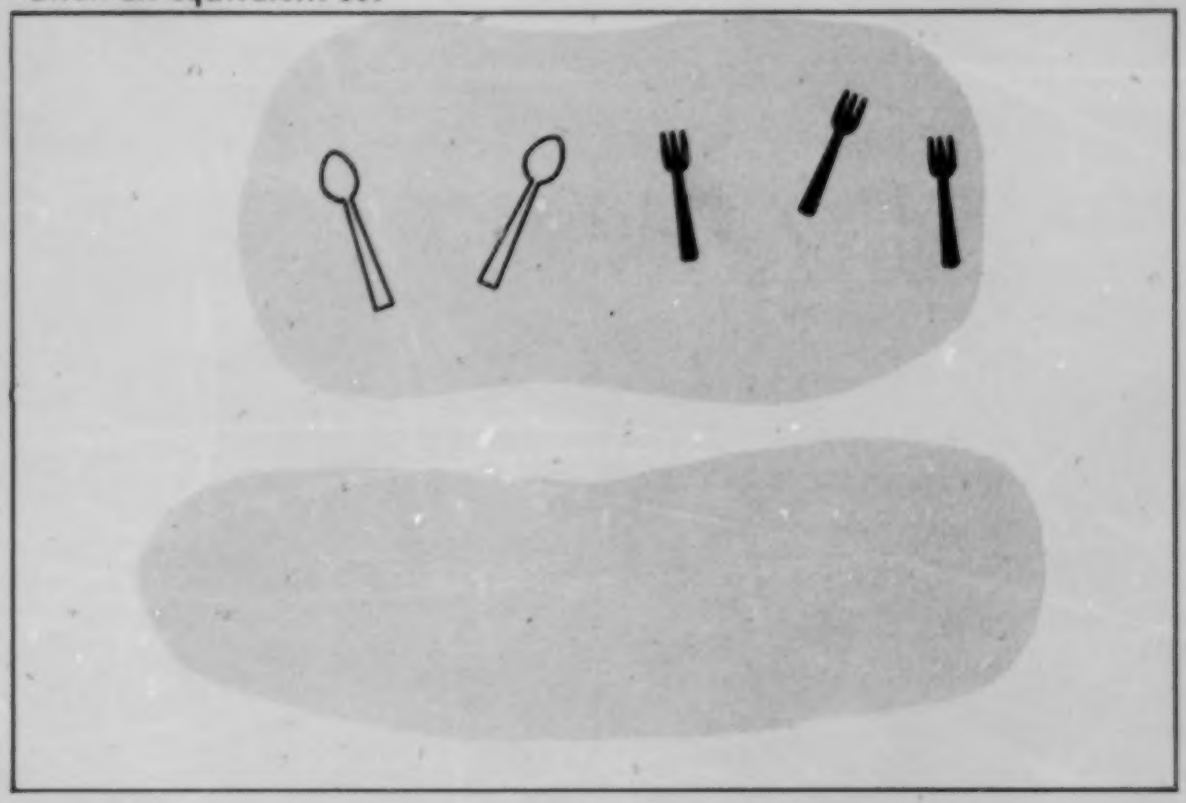

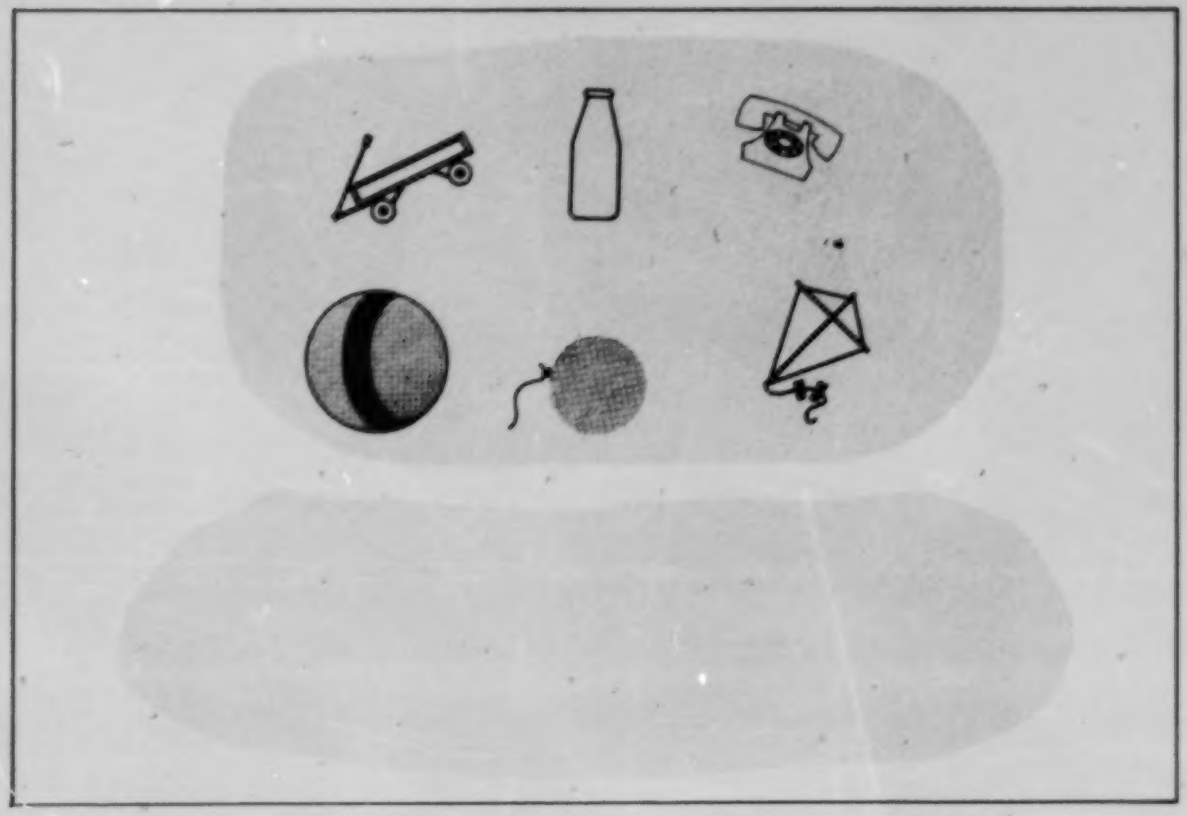

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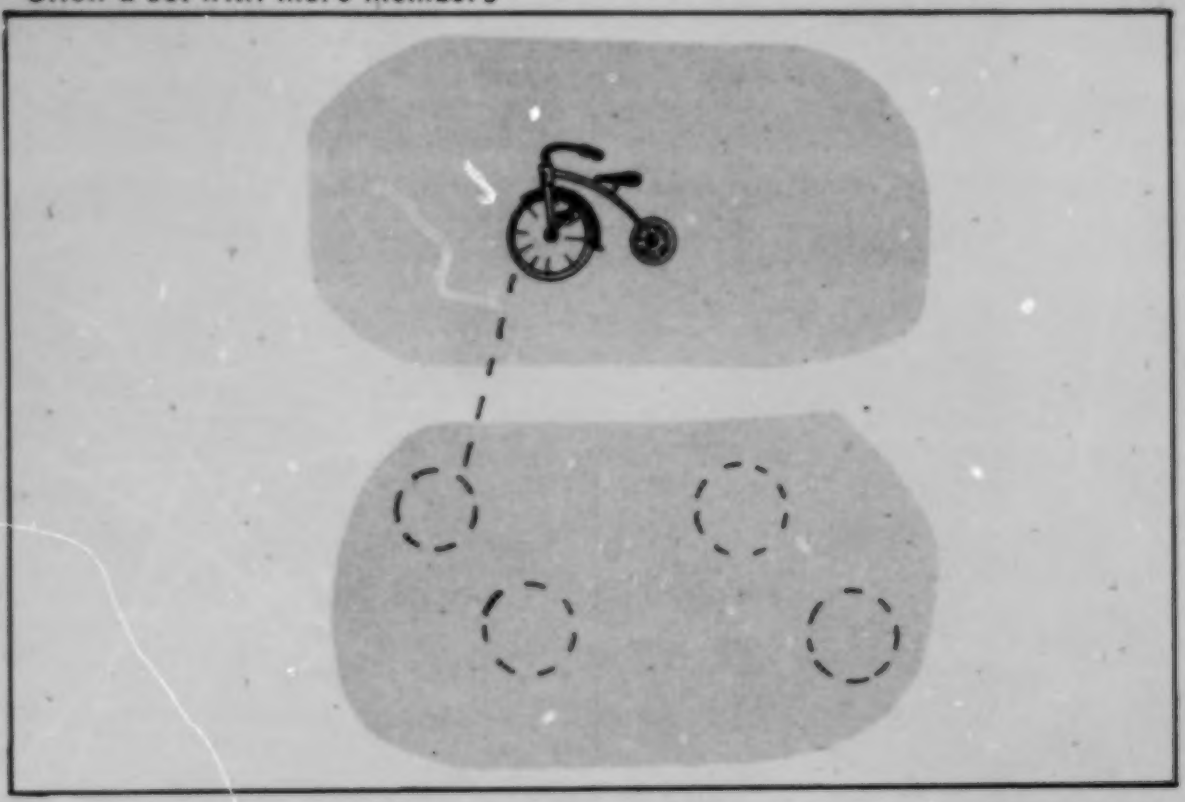

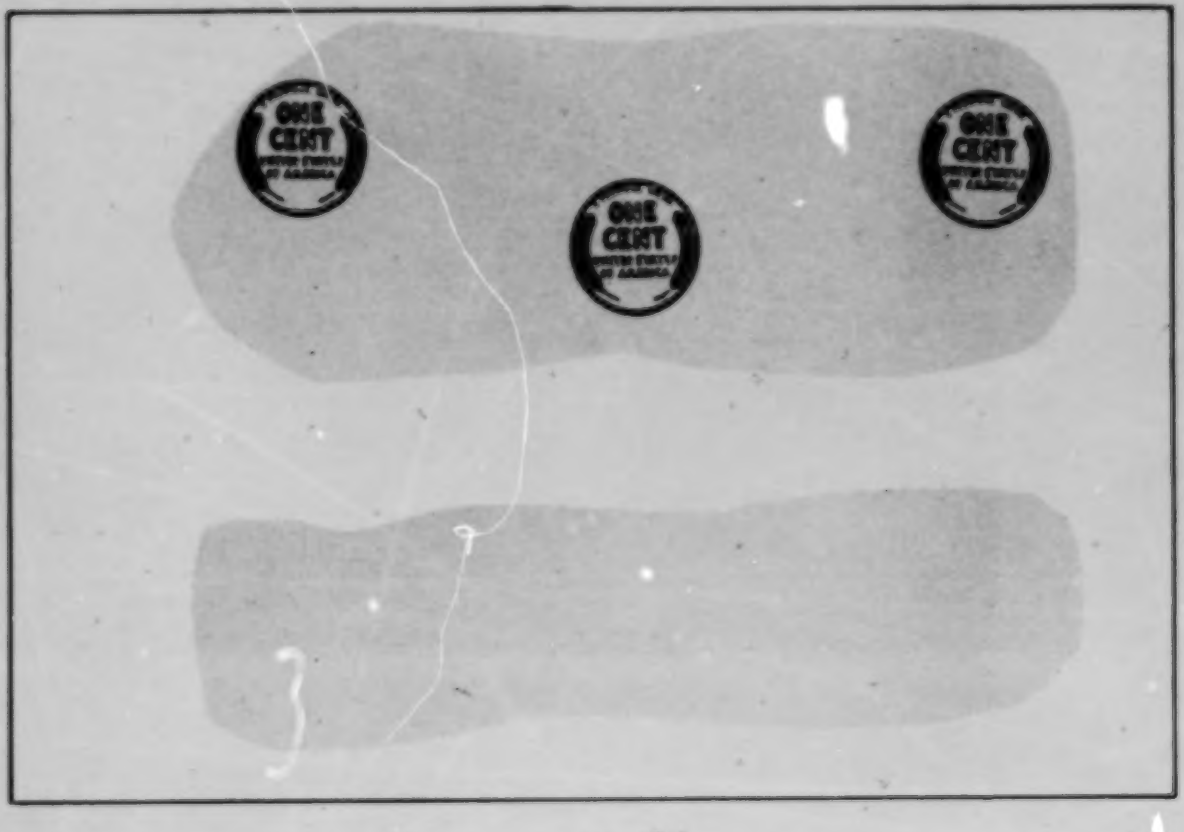

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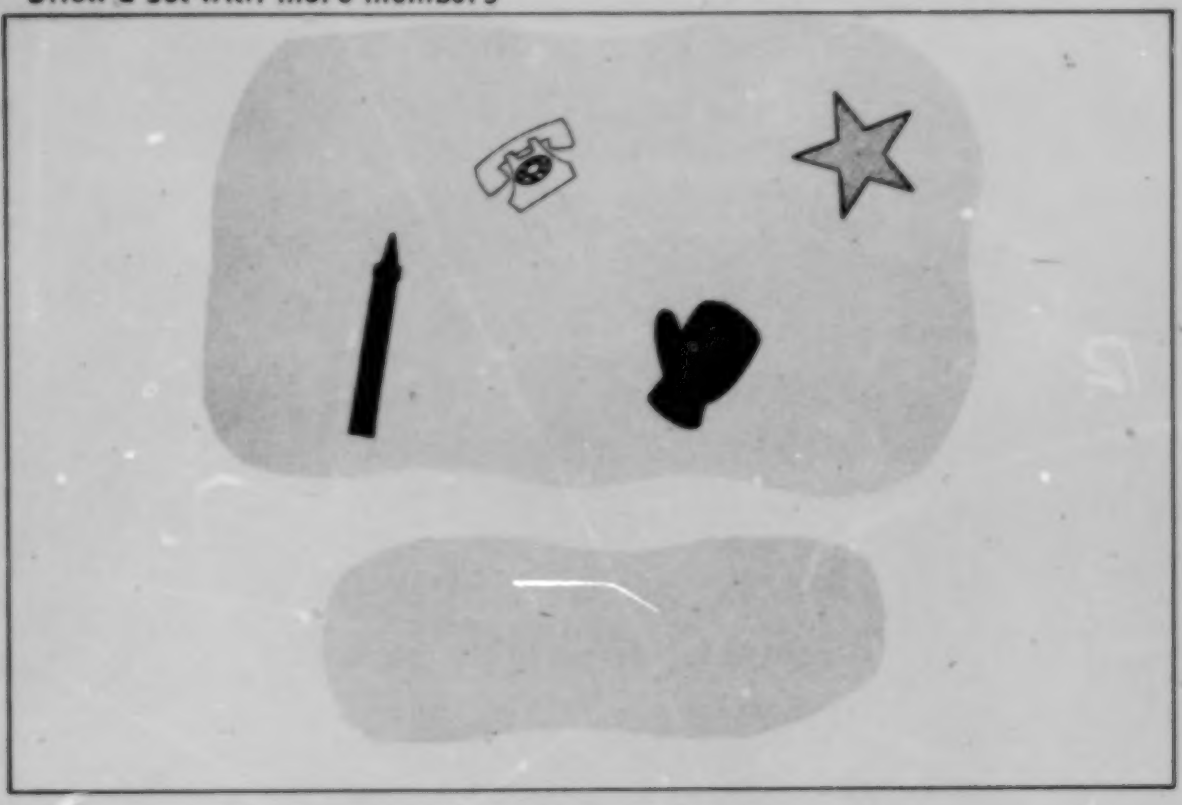

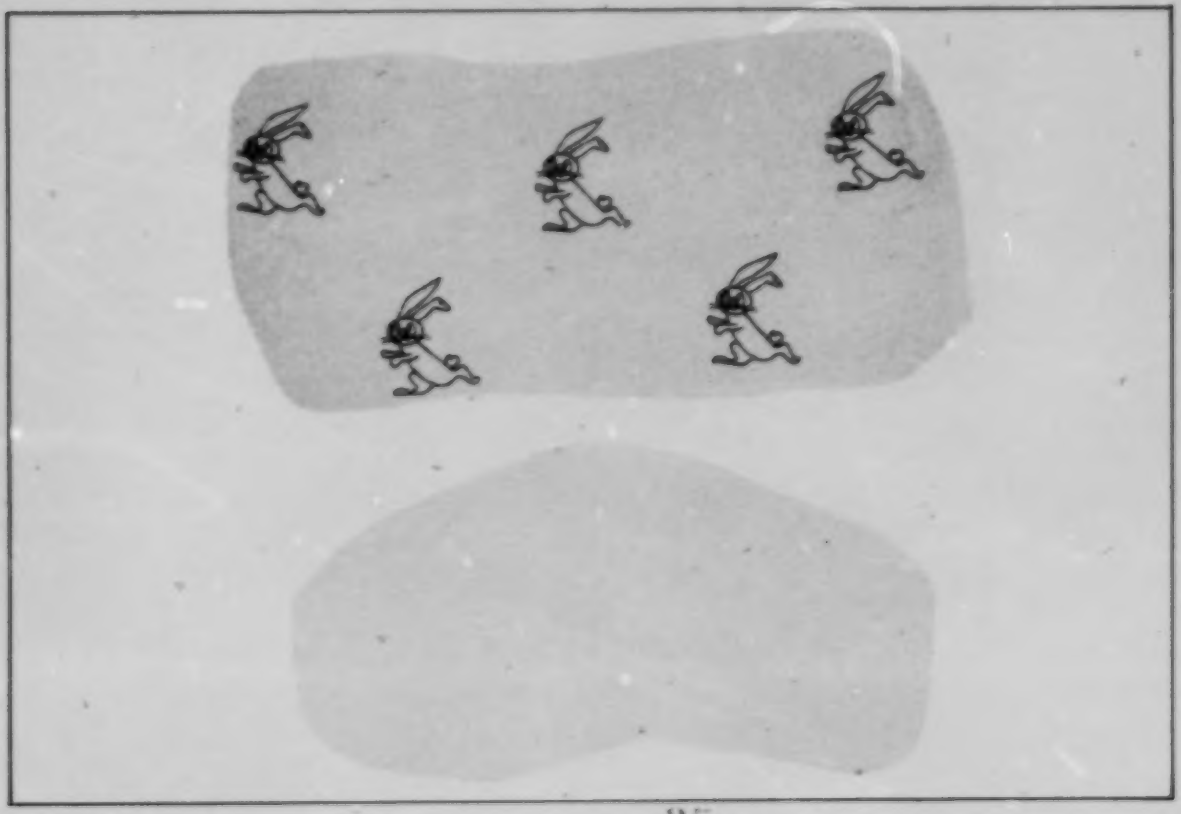

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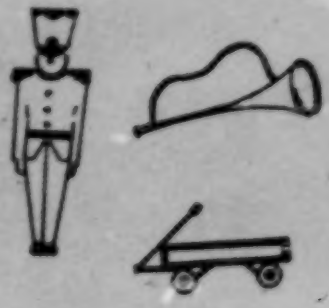
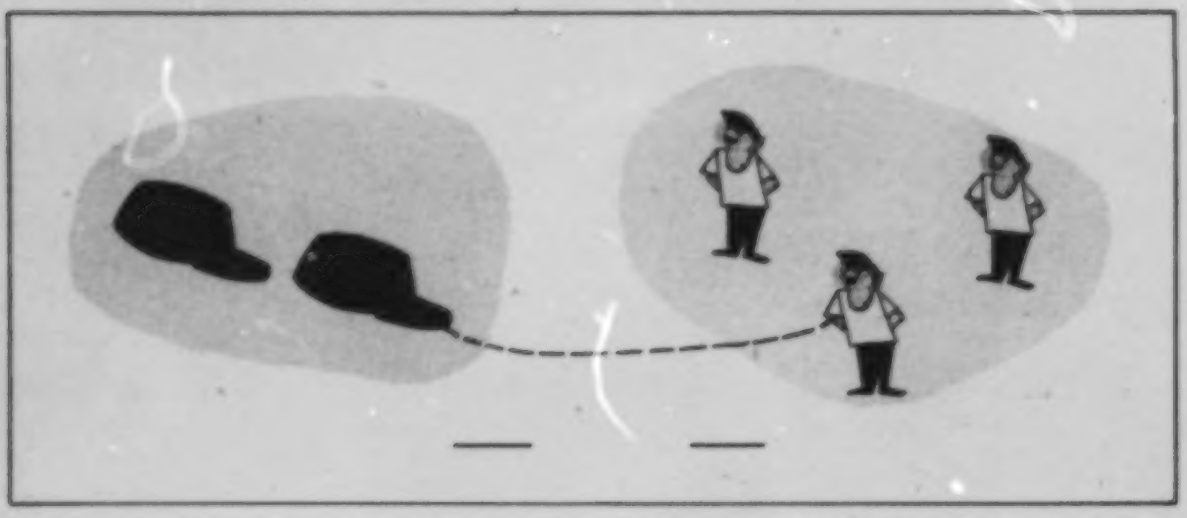


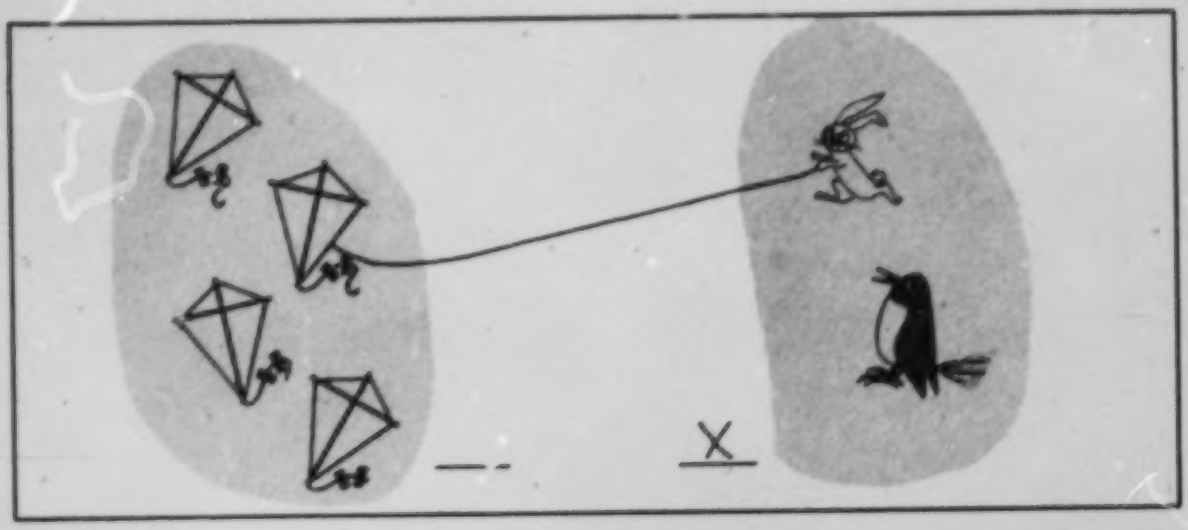
Show an equivalent set

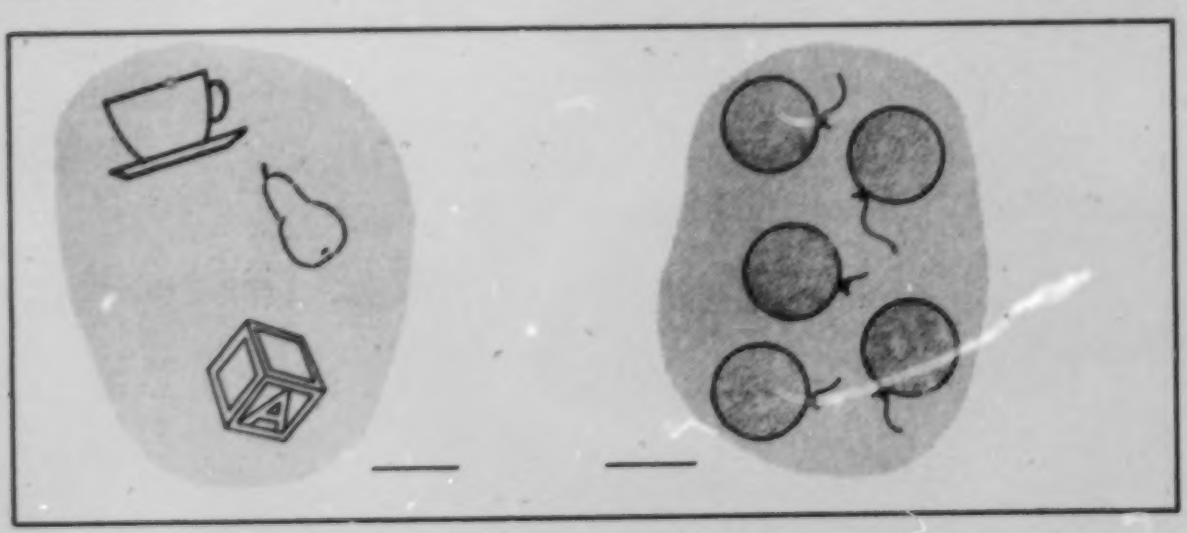
Which set has fewer members? Mark it

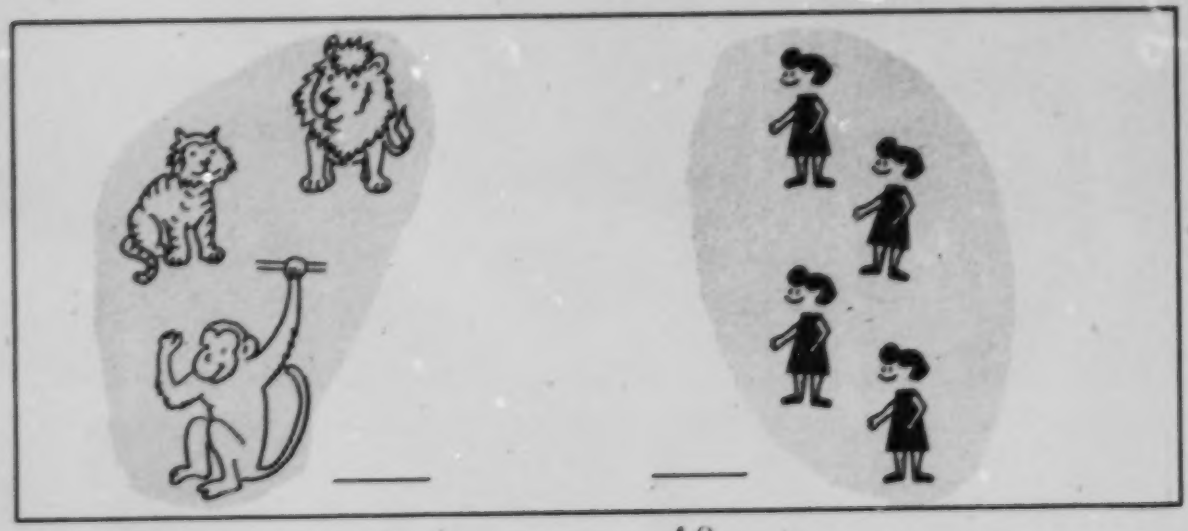
Which set has fewer members? Mark it



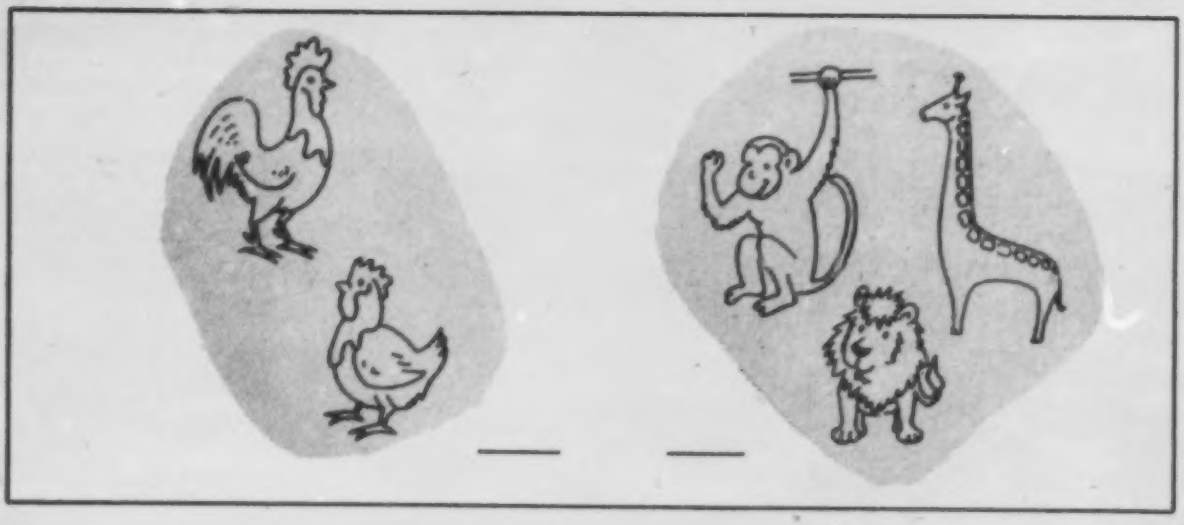
Which set has fewer members? Mark it

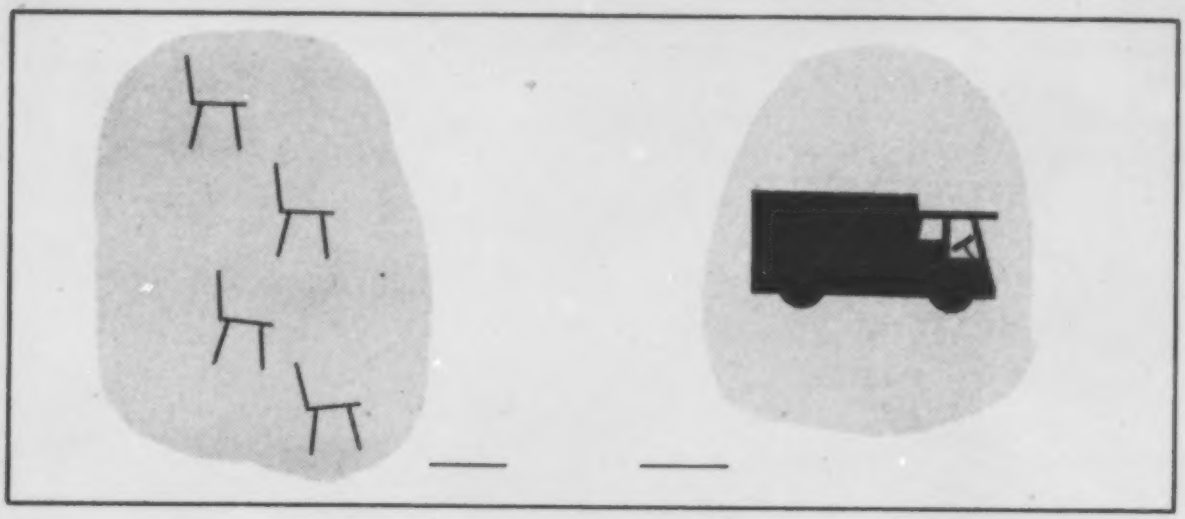


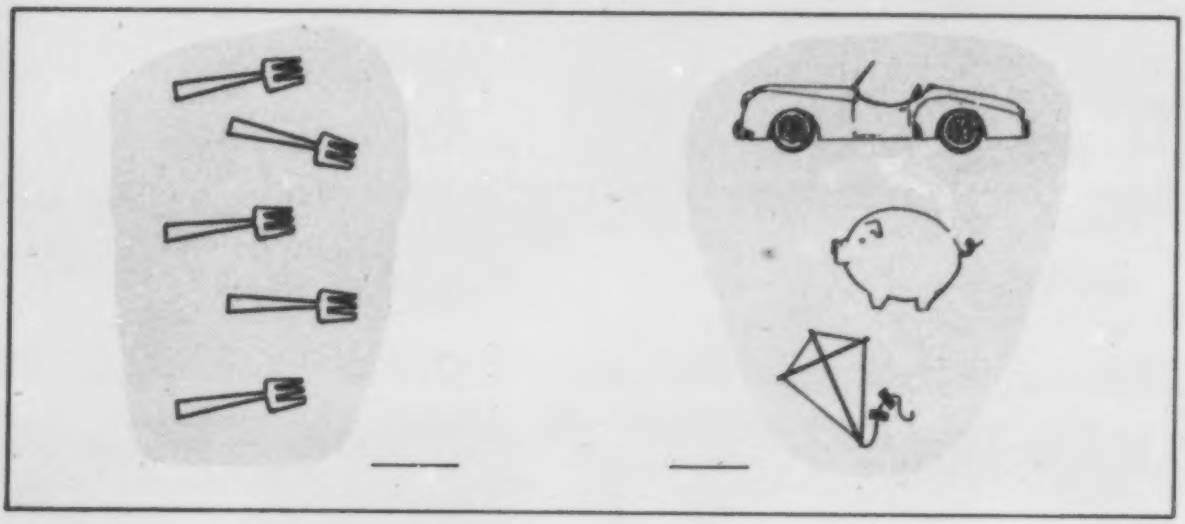




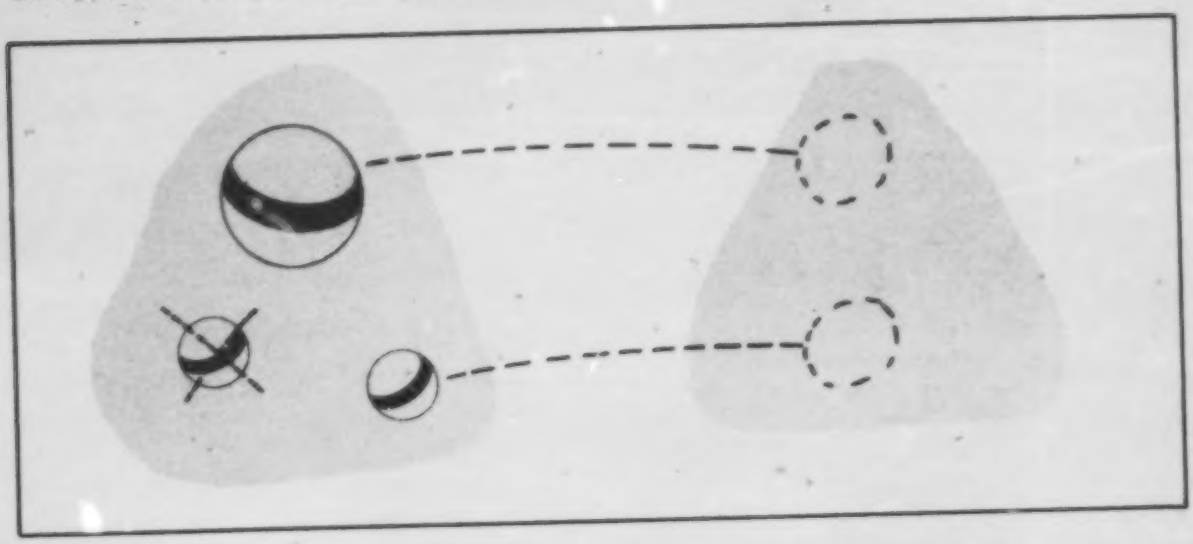
Which set has fewer members? Mark it

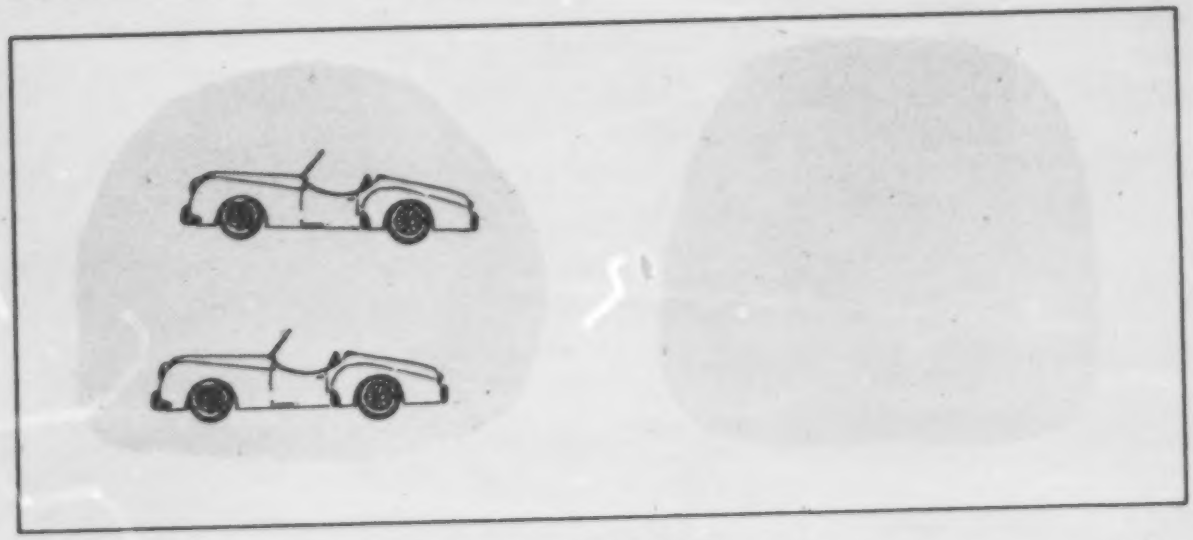






Show a set with fewer members





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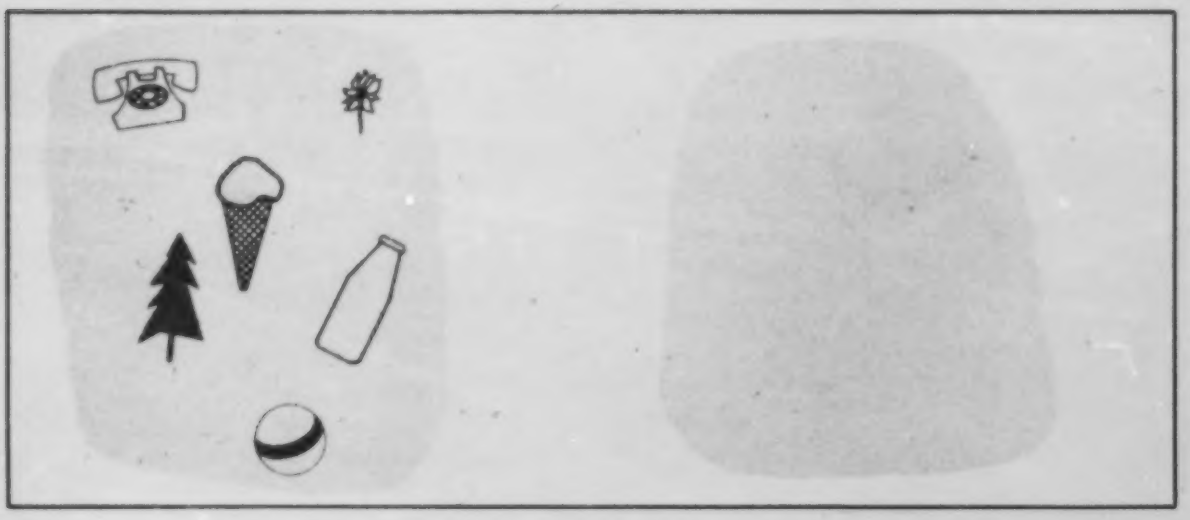
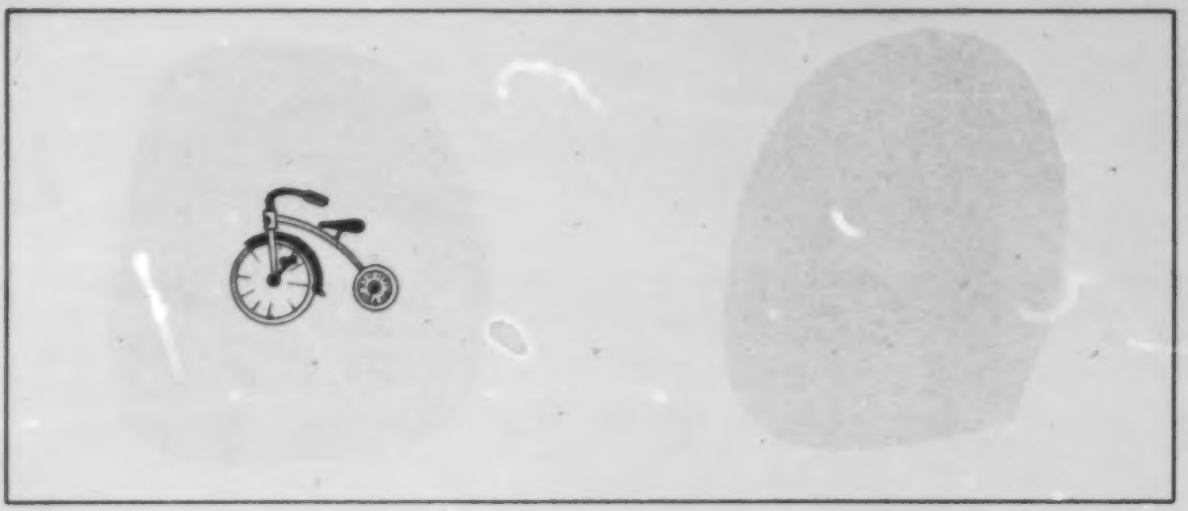
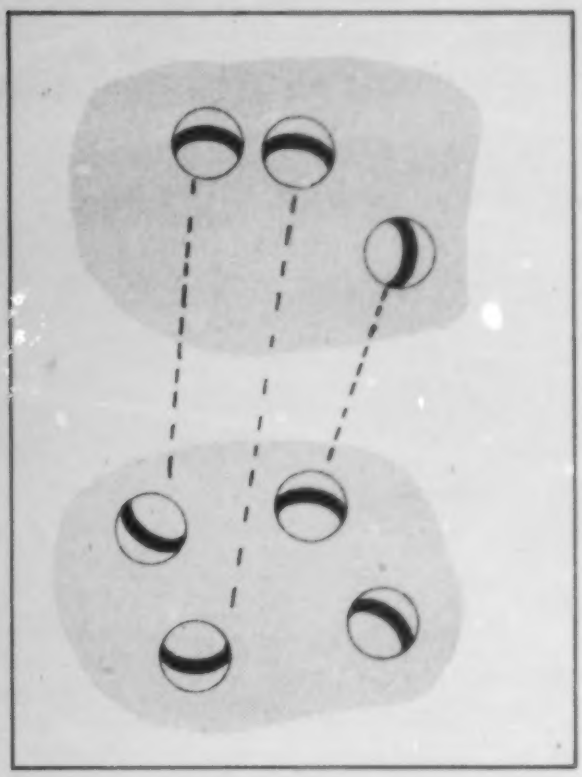
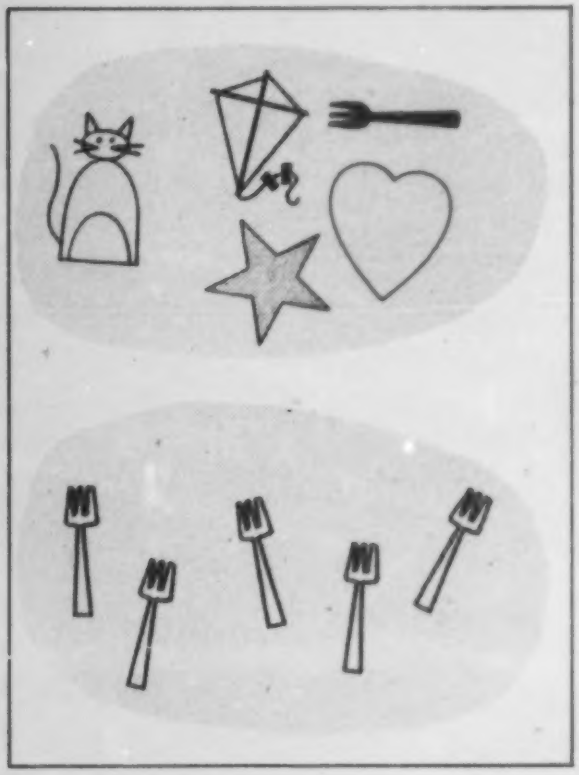


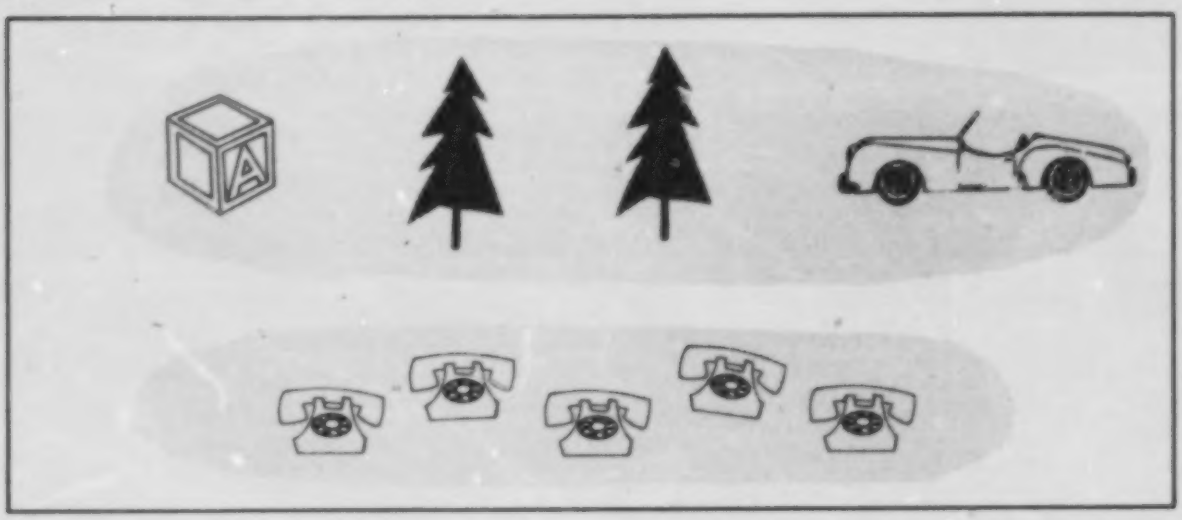


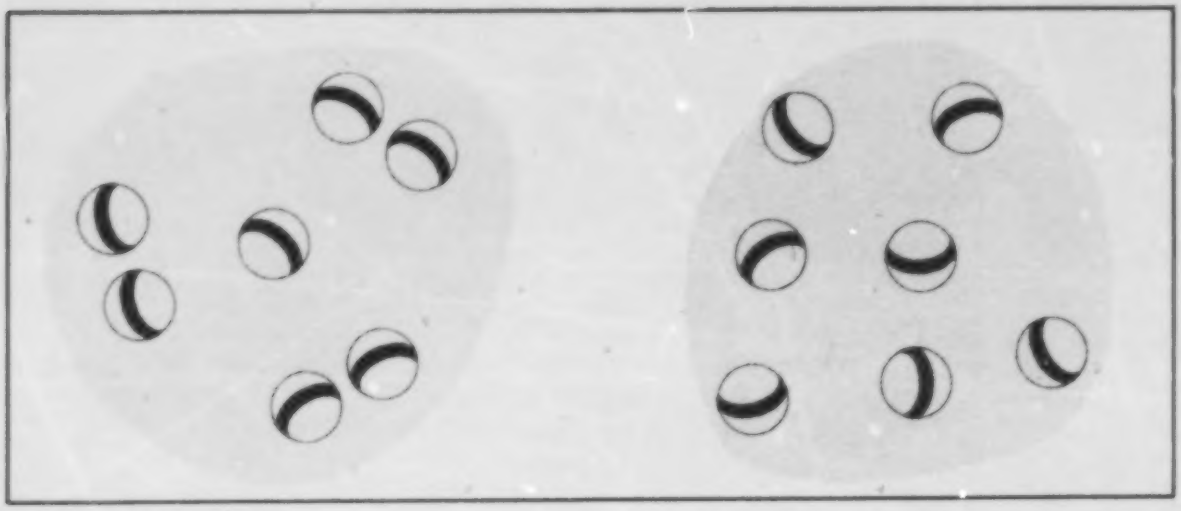
Compare these sets

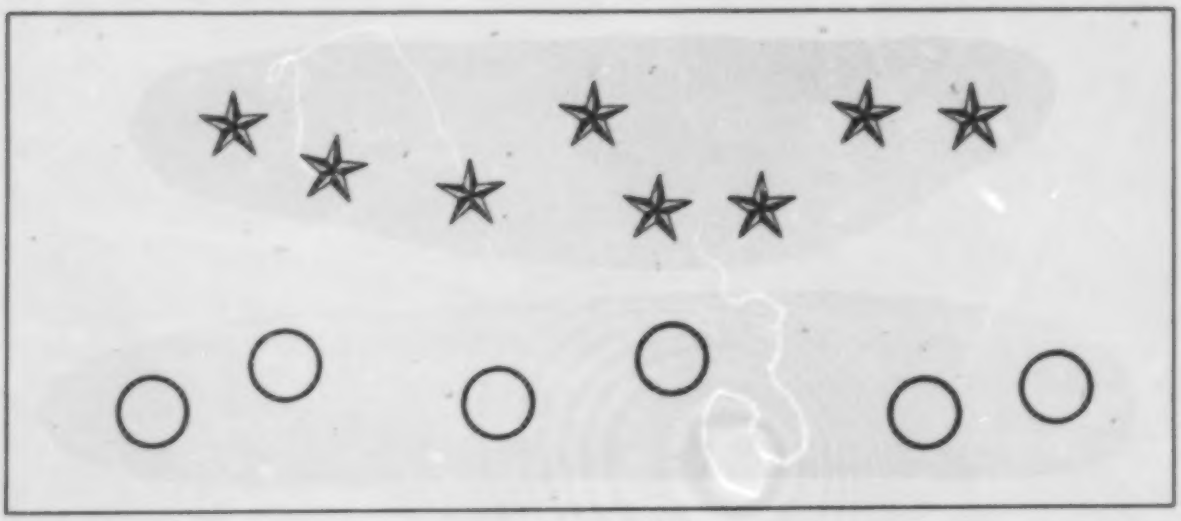




Compare these sets







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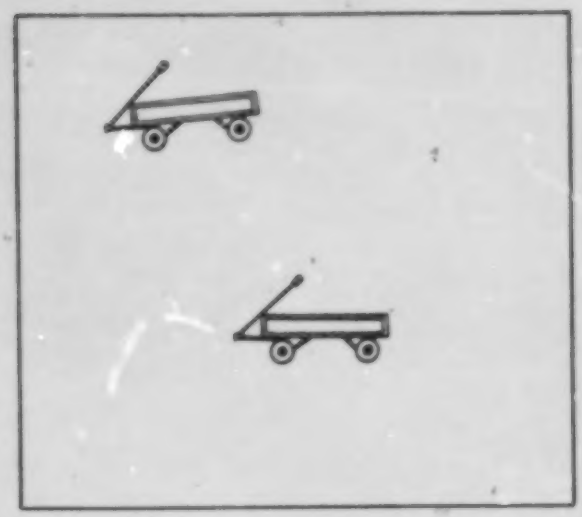

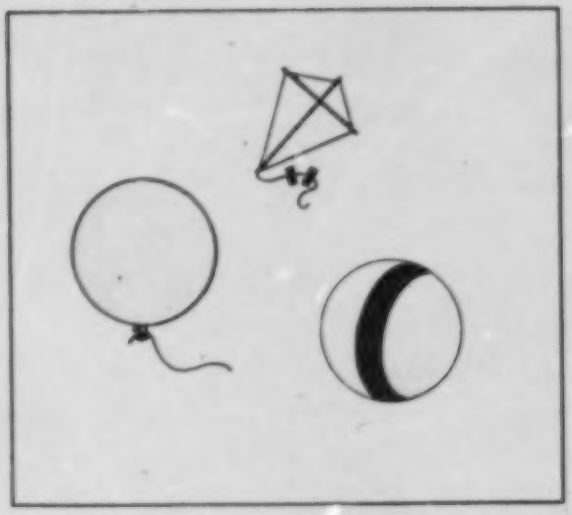

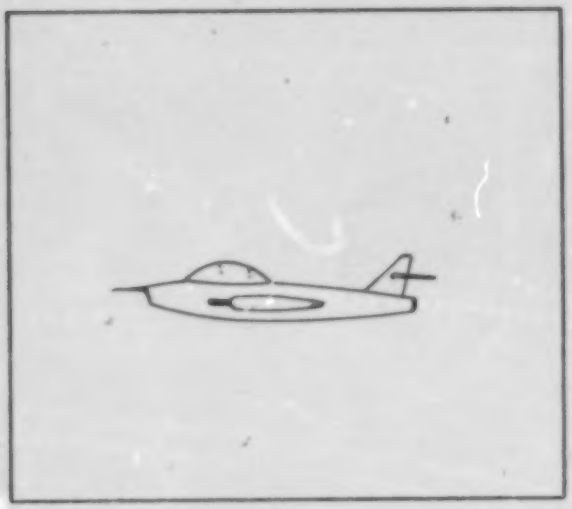

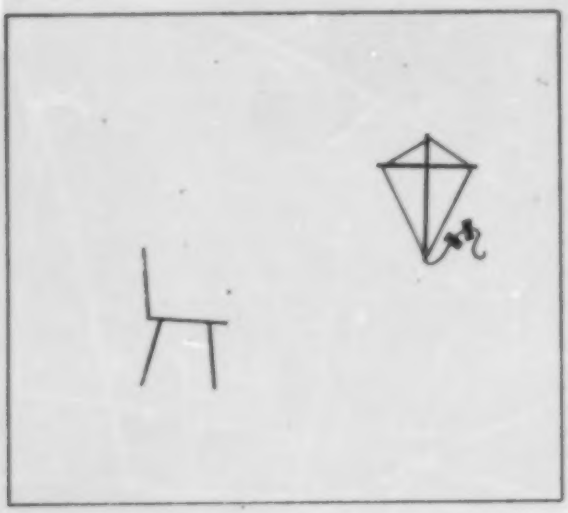

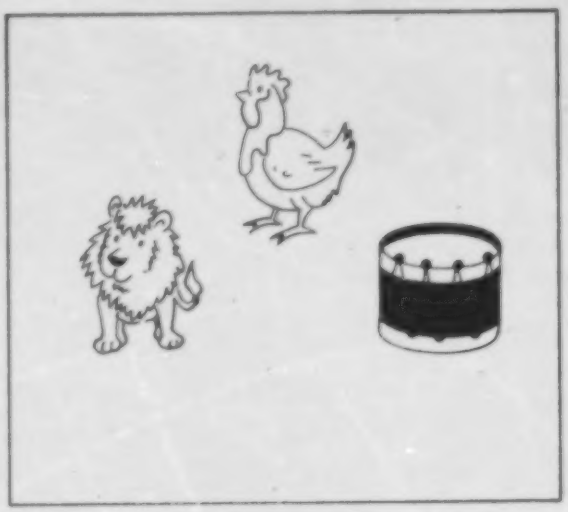

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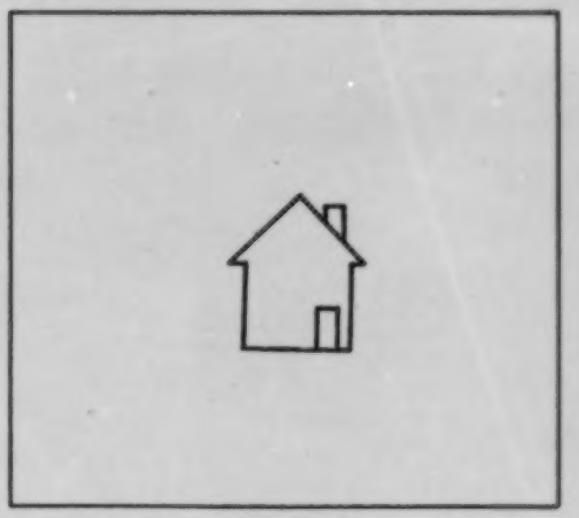

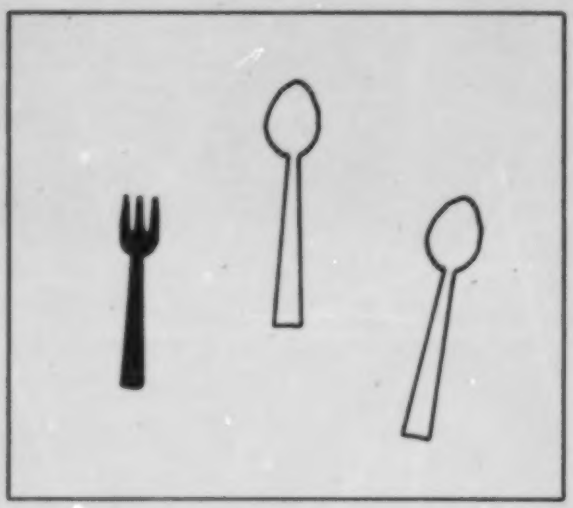

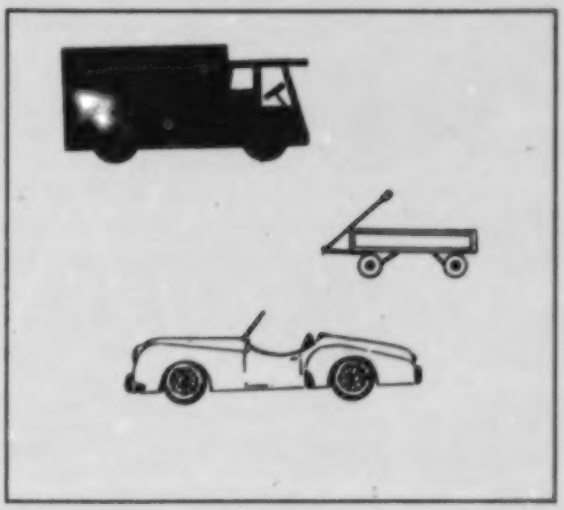

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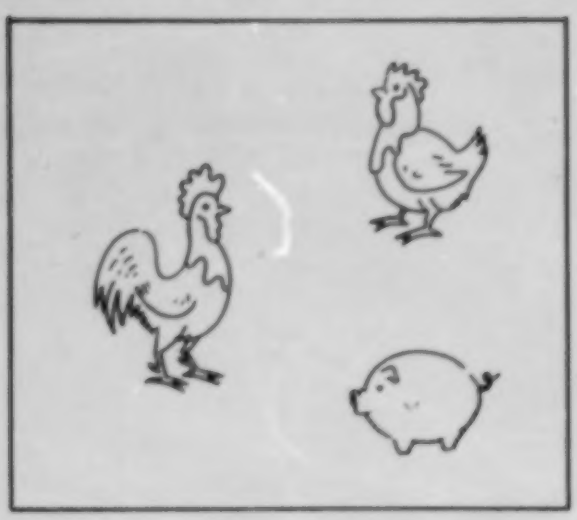

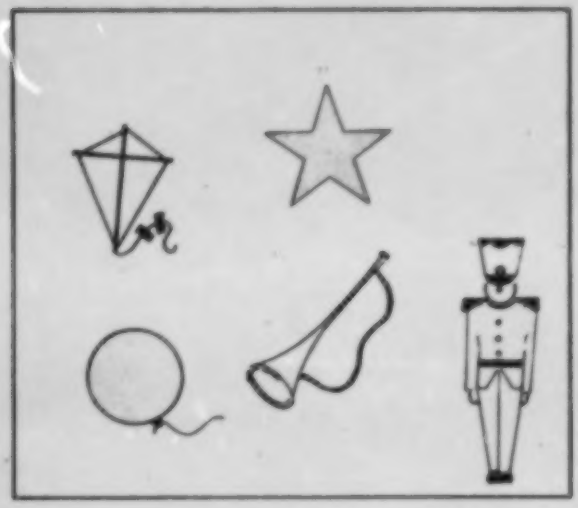

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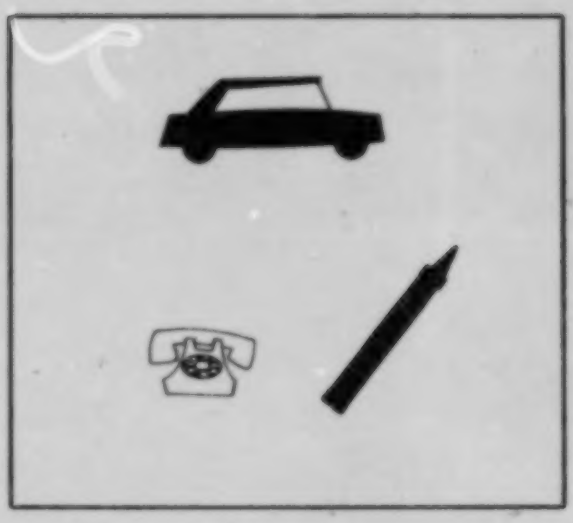
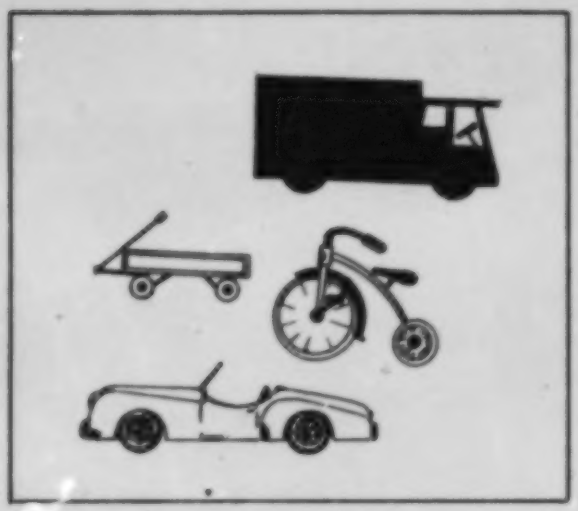
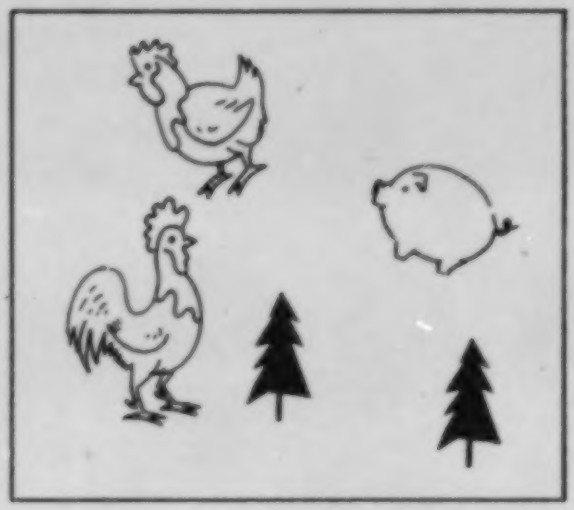
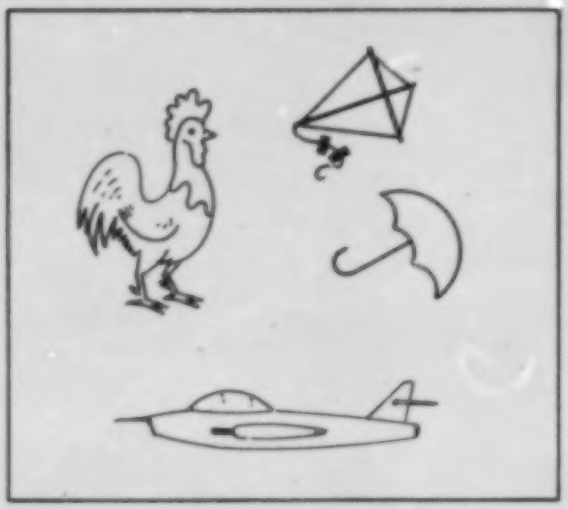
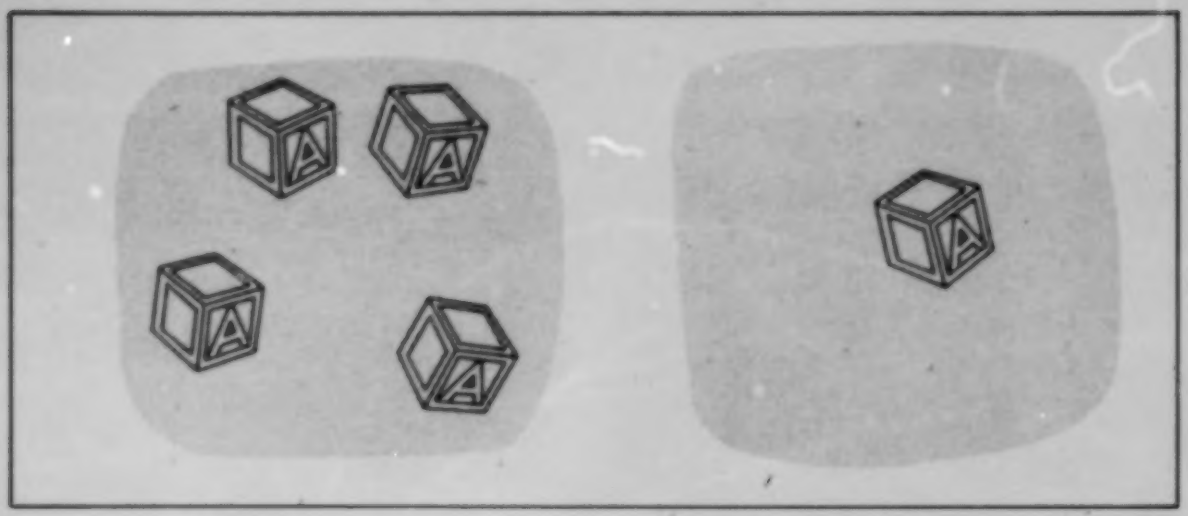


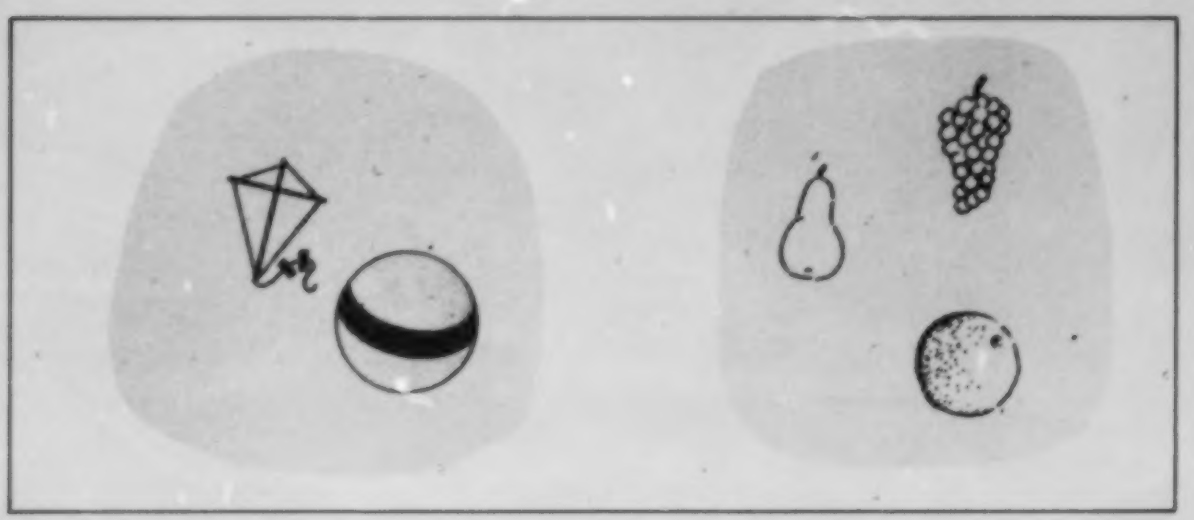




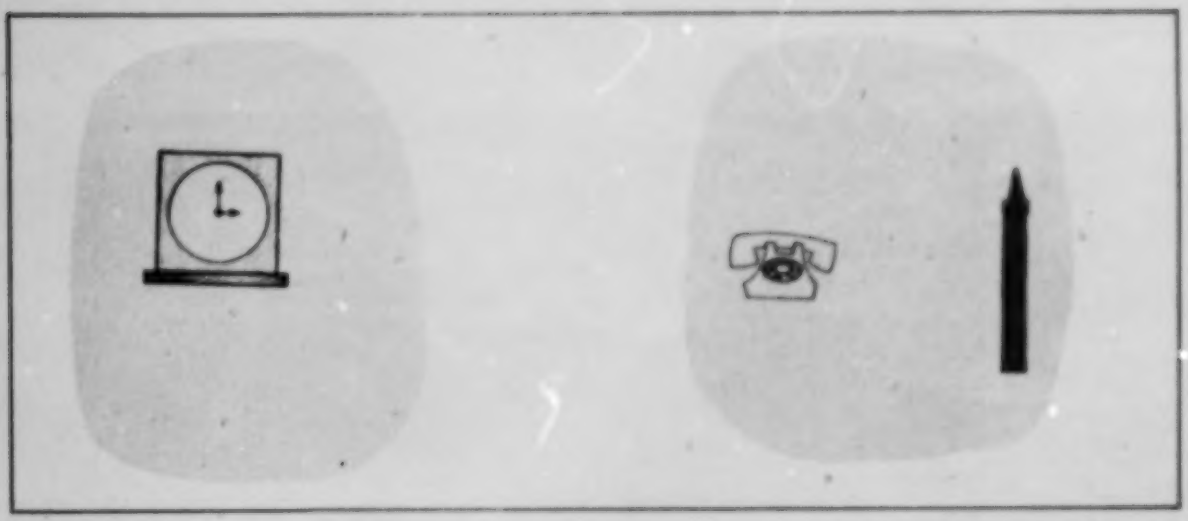


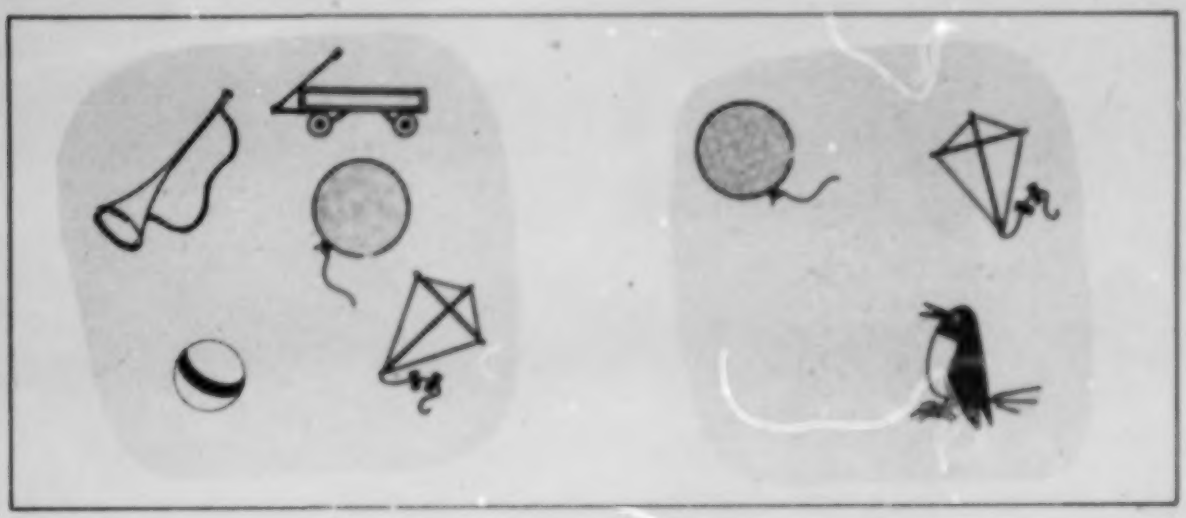
Greater than - less than

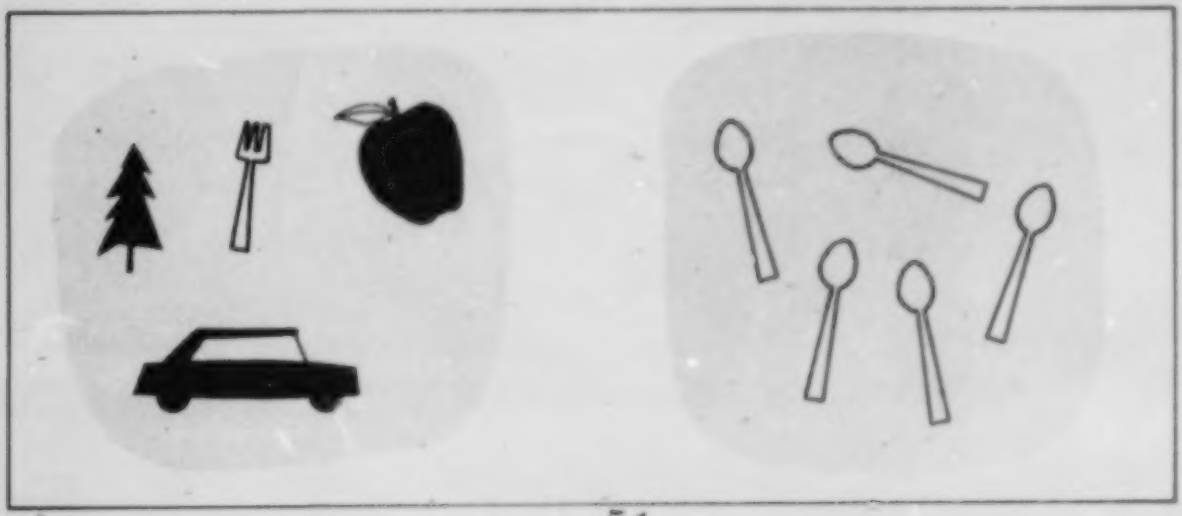




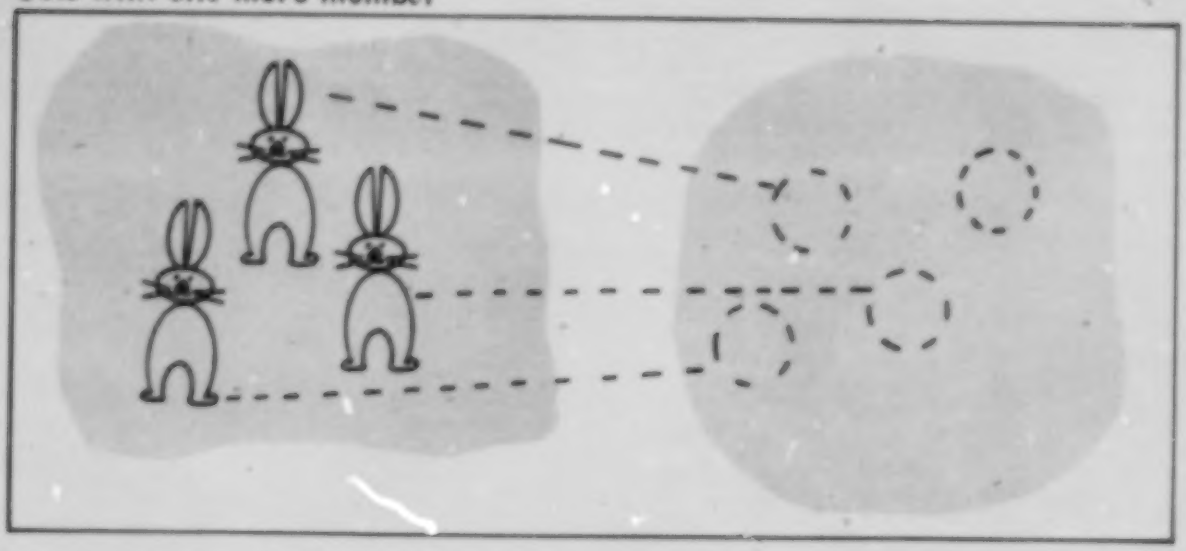
Greater than - less than

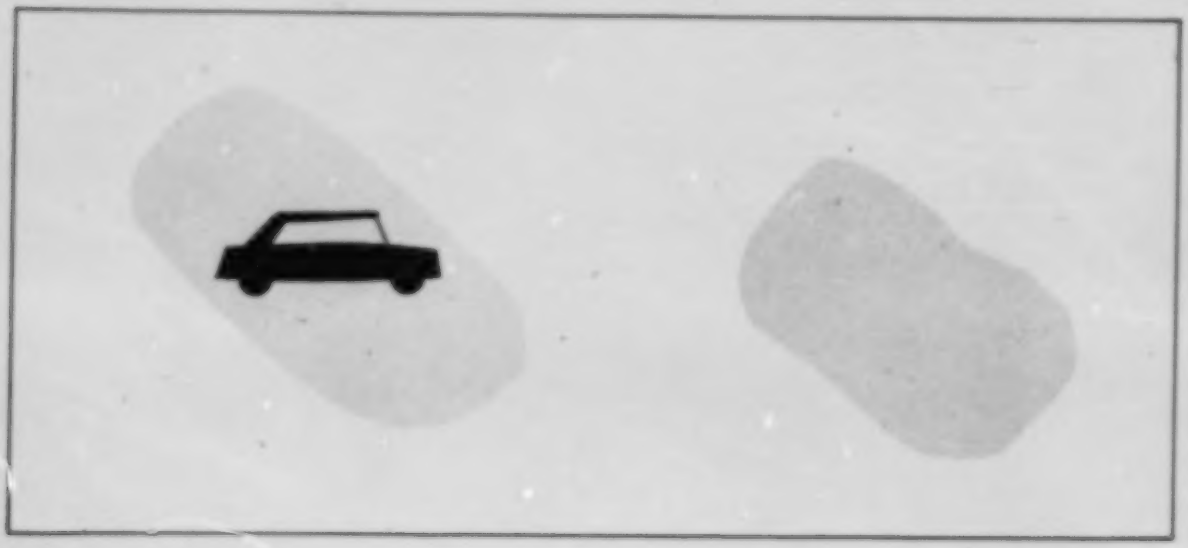






Sets with one more member





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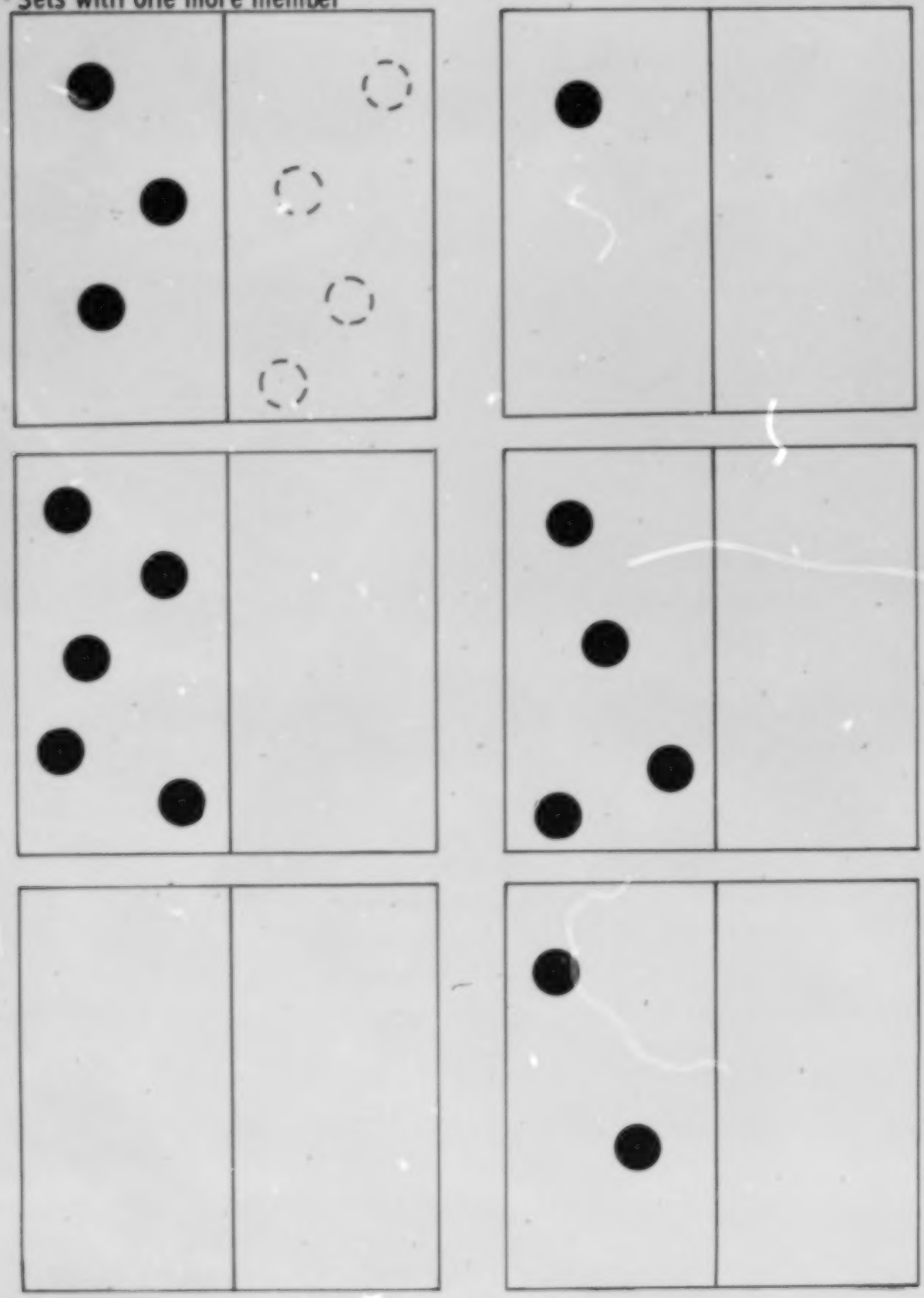

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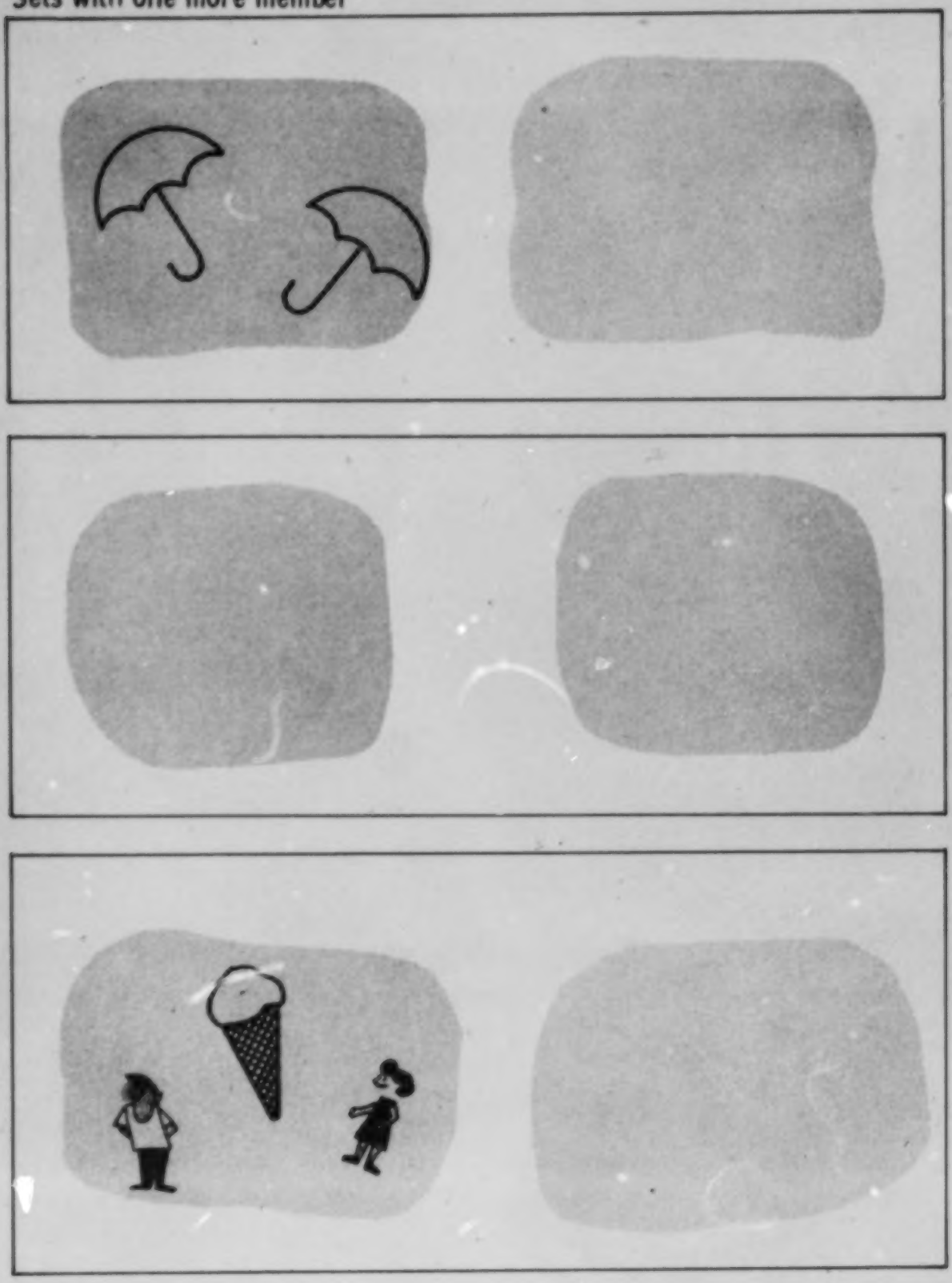

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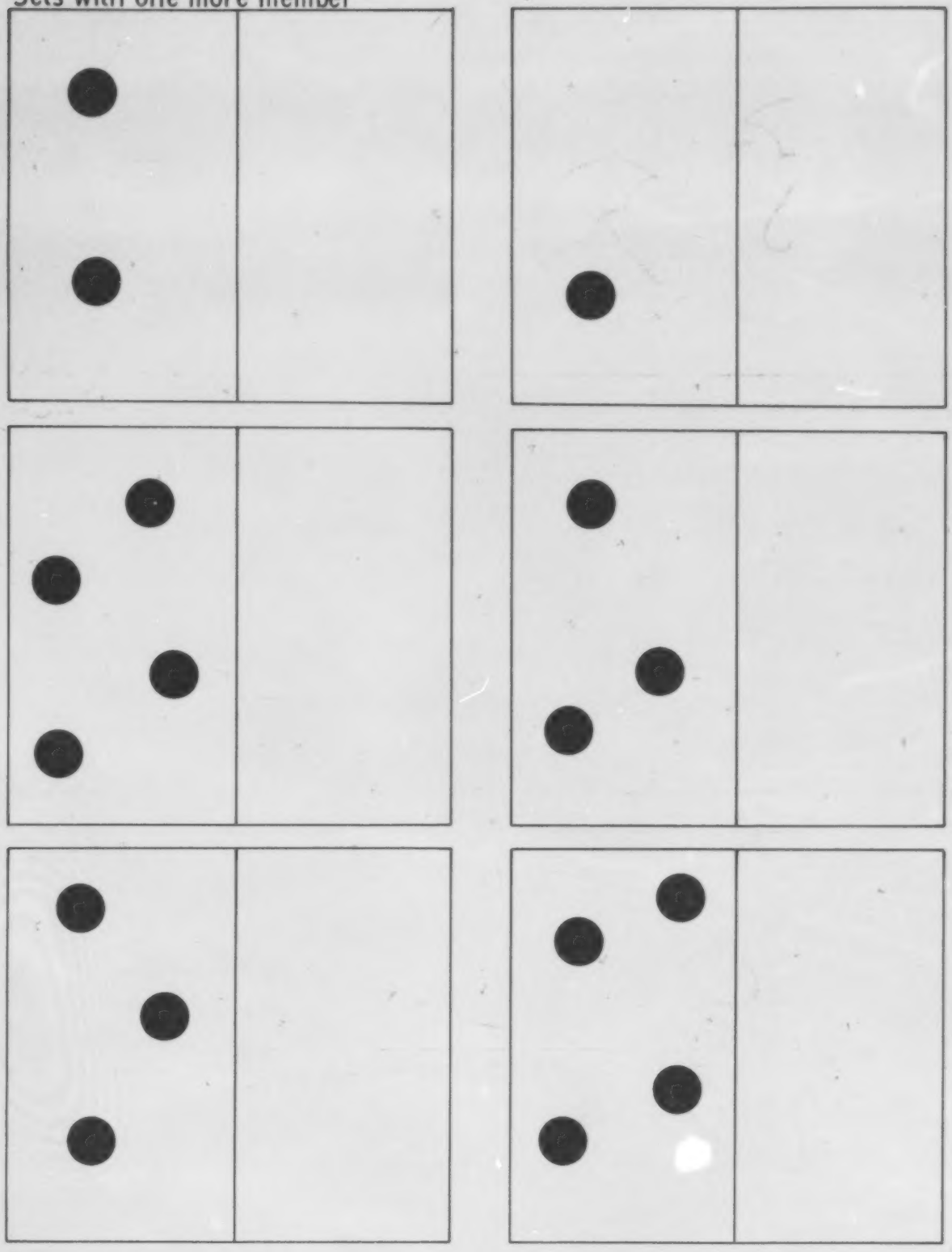
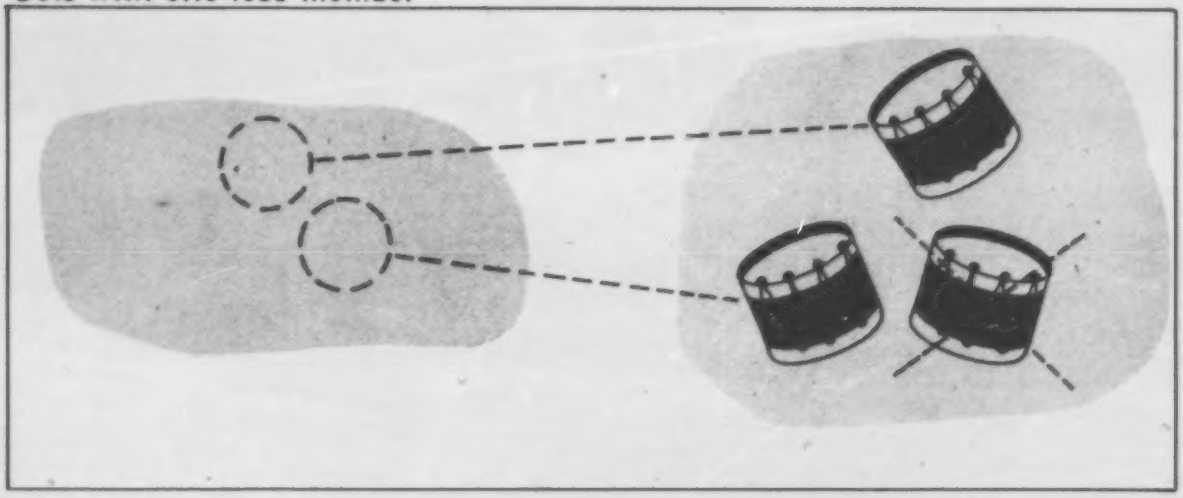
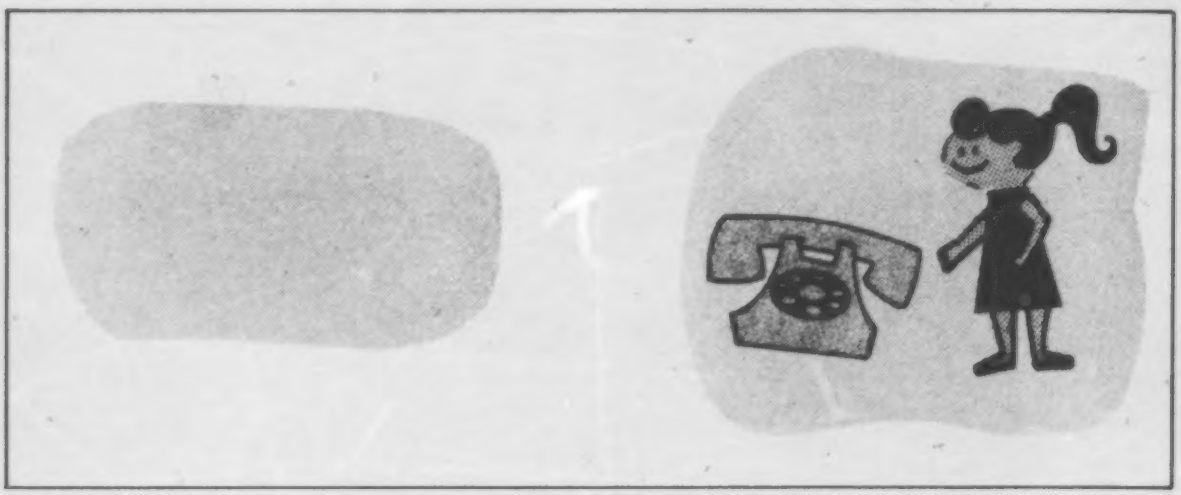
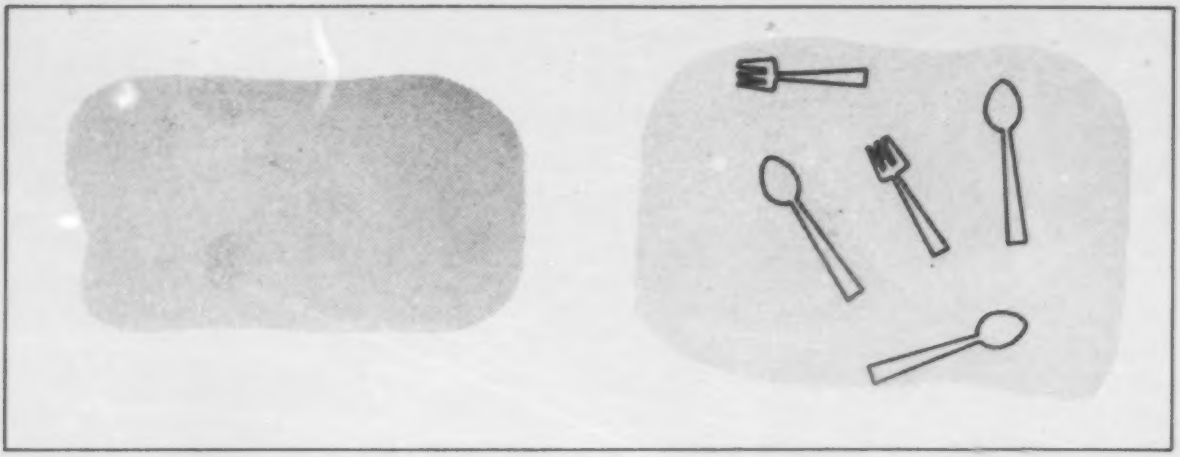


Sets with one less member







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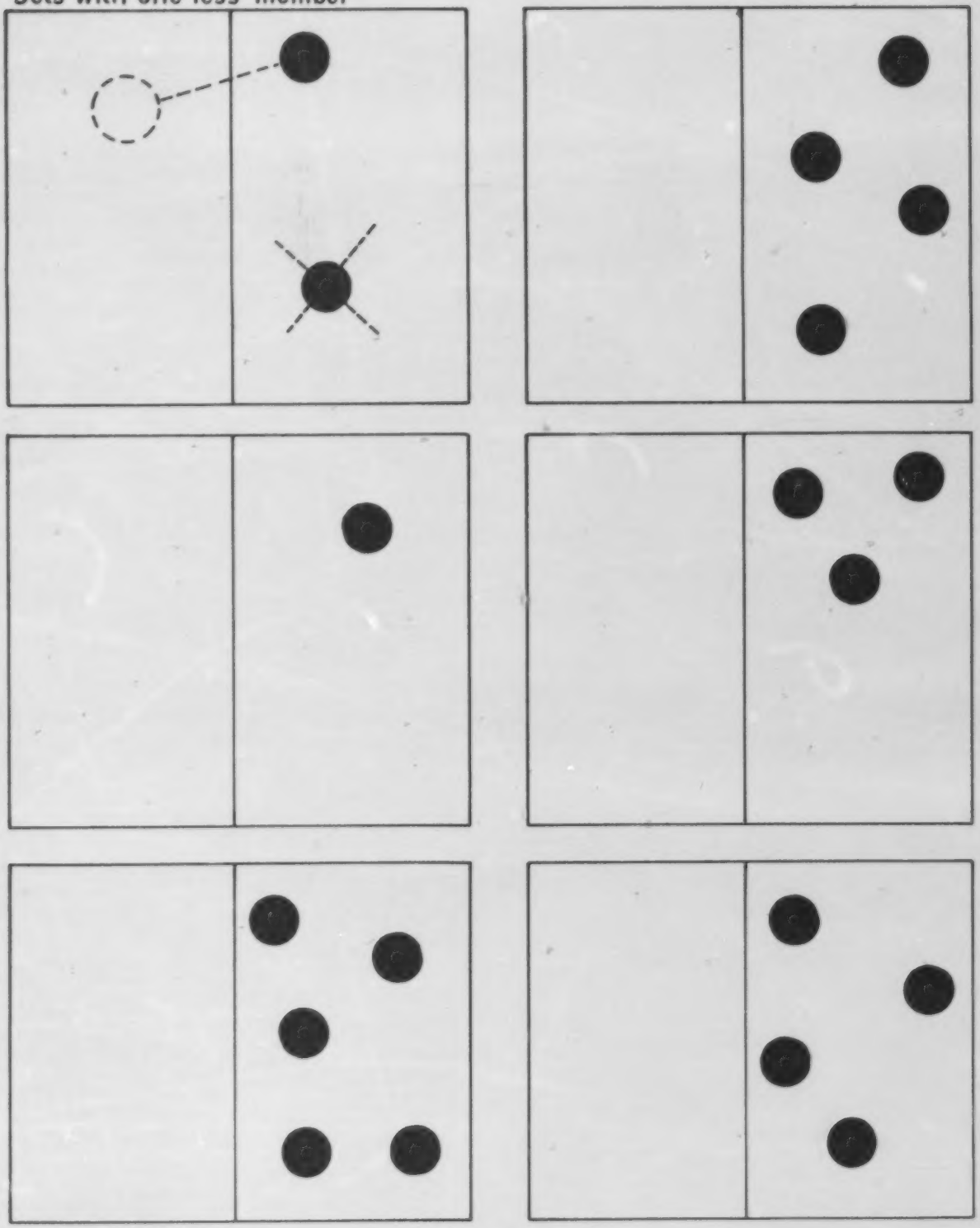

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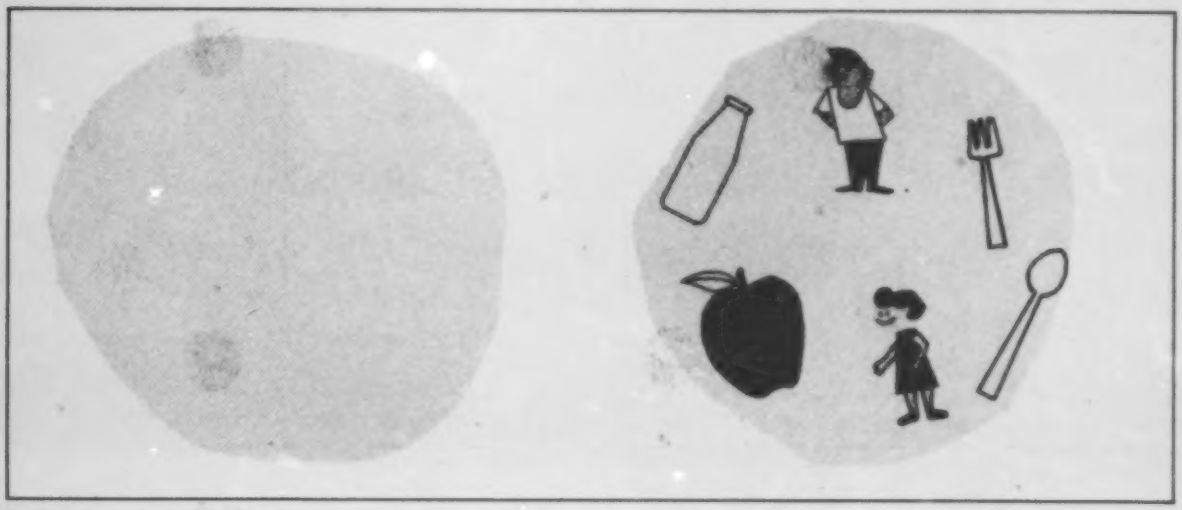

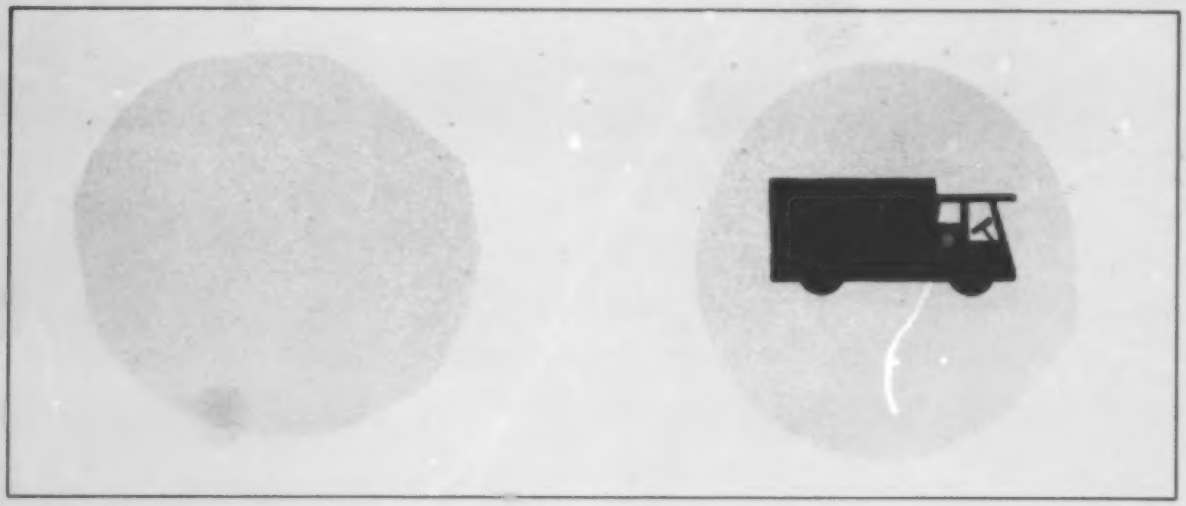

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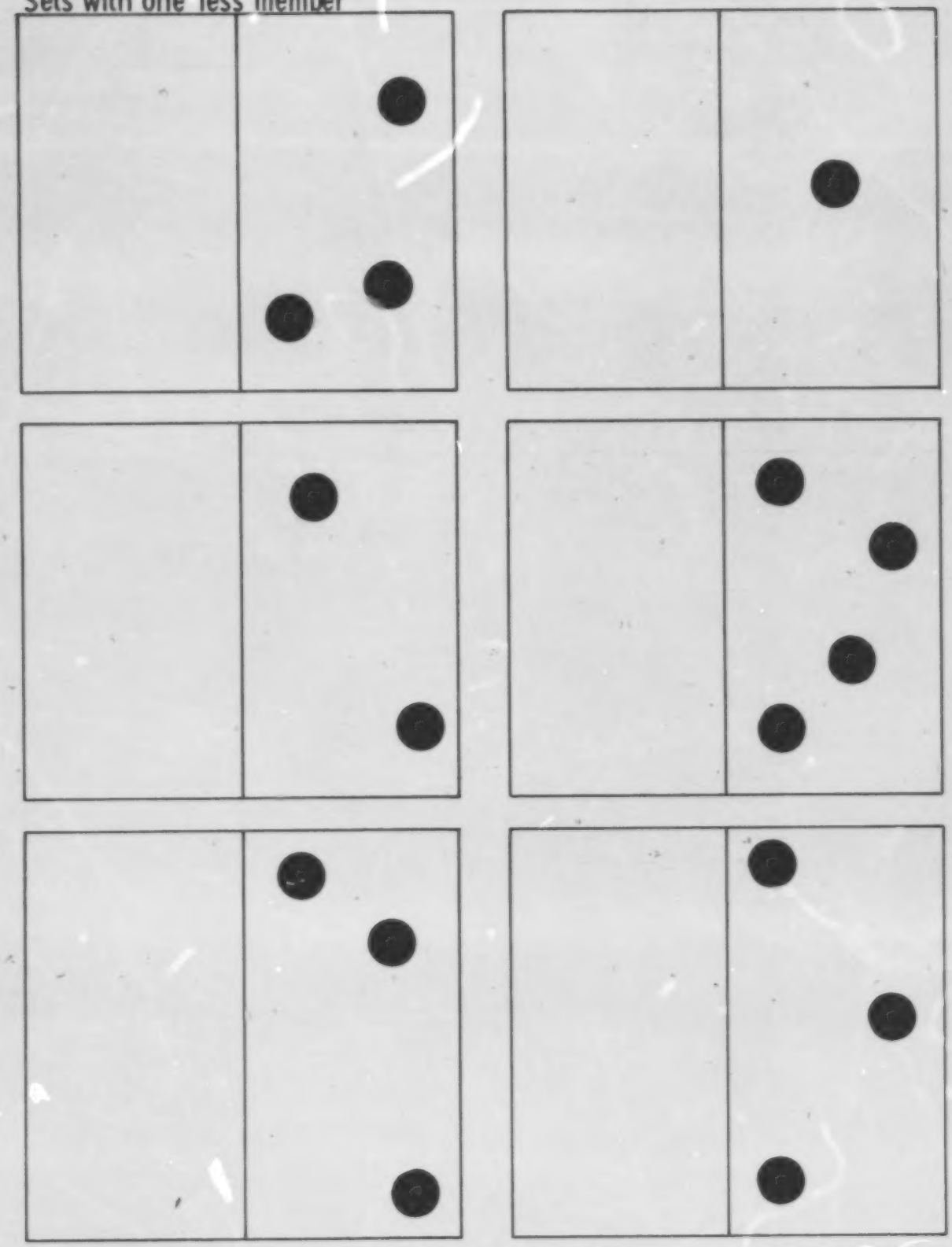
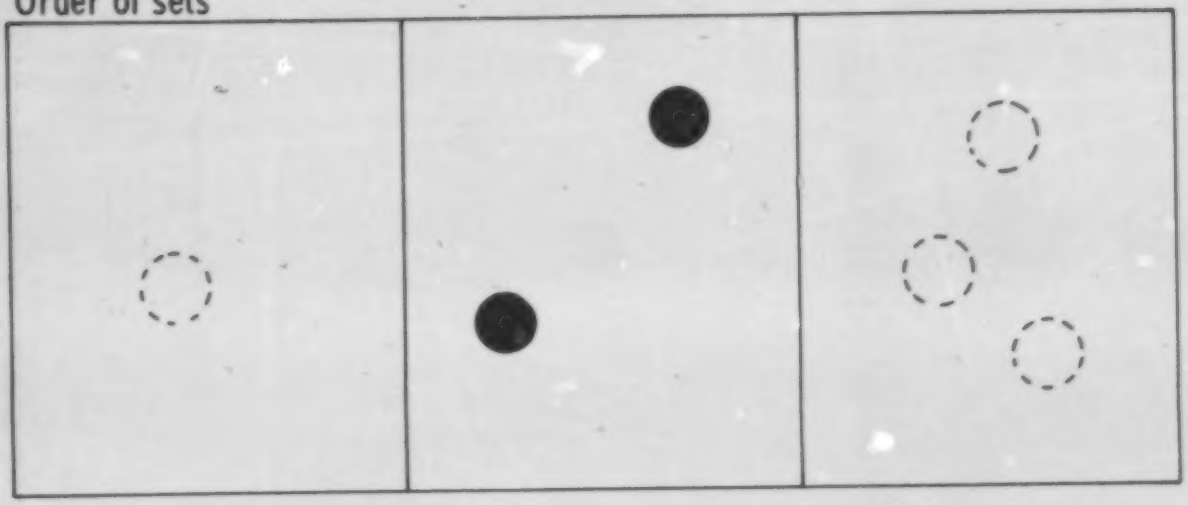
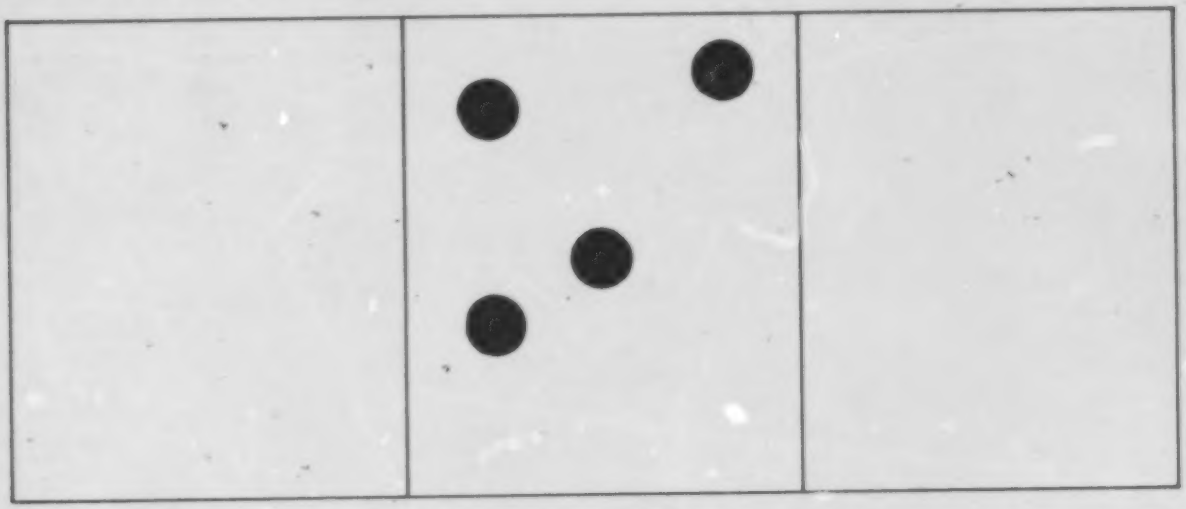
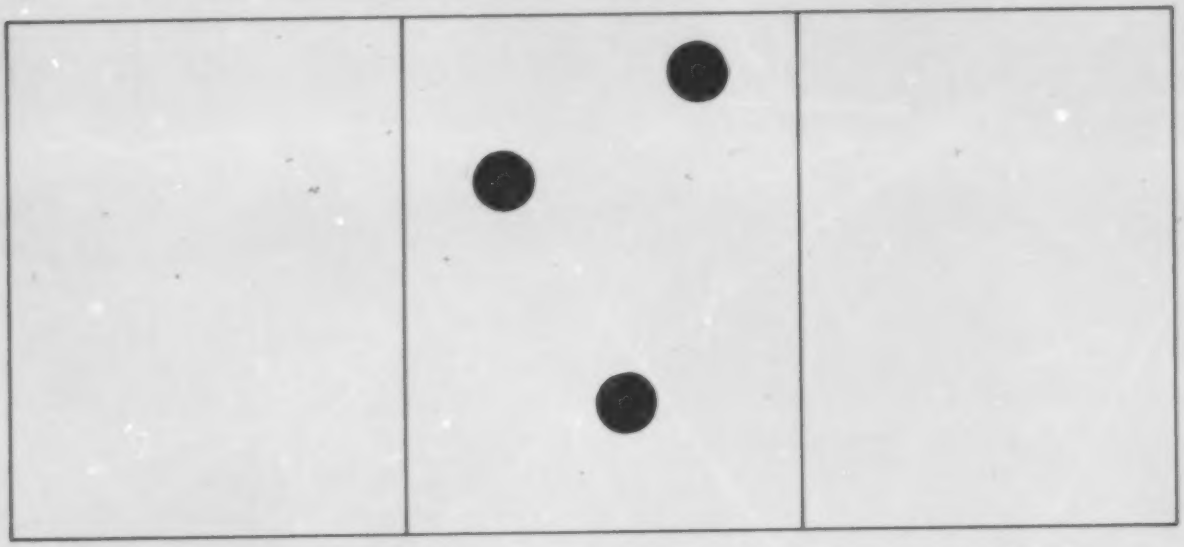


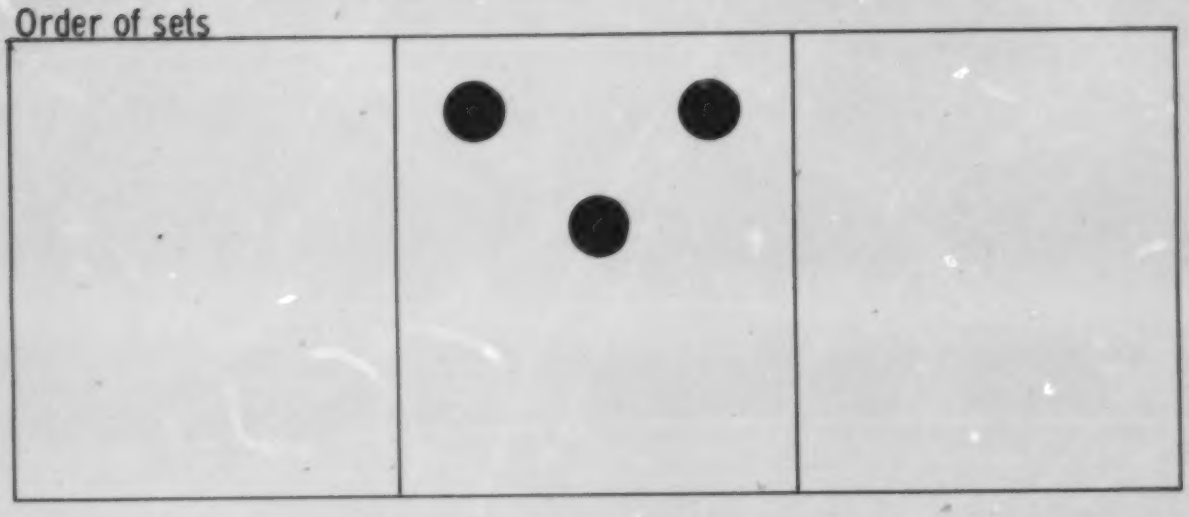
Order of sets

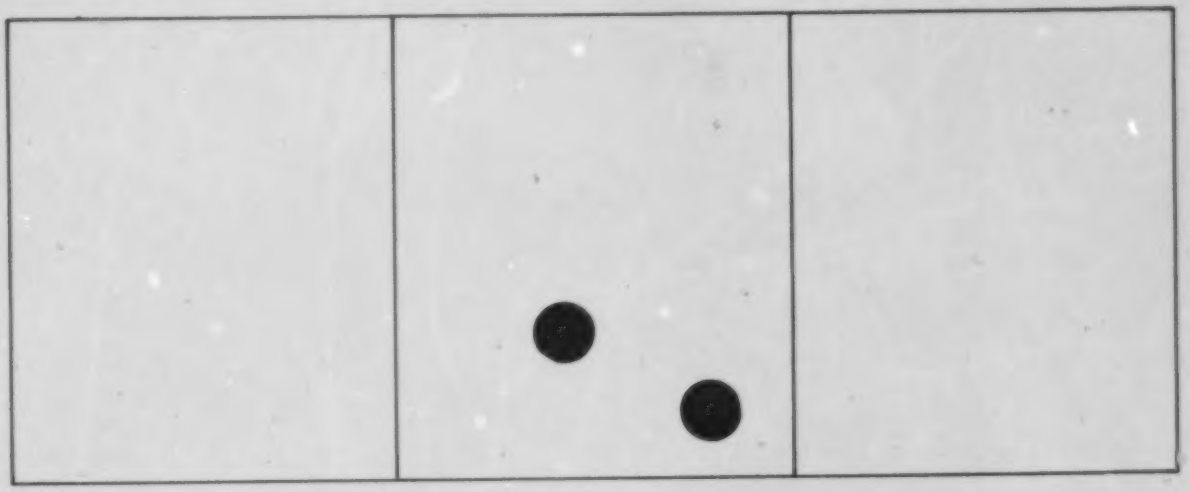


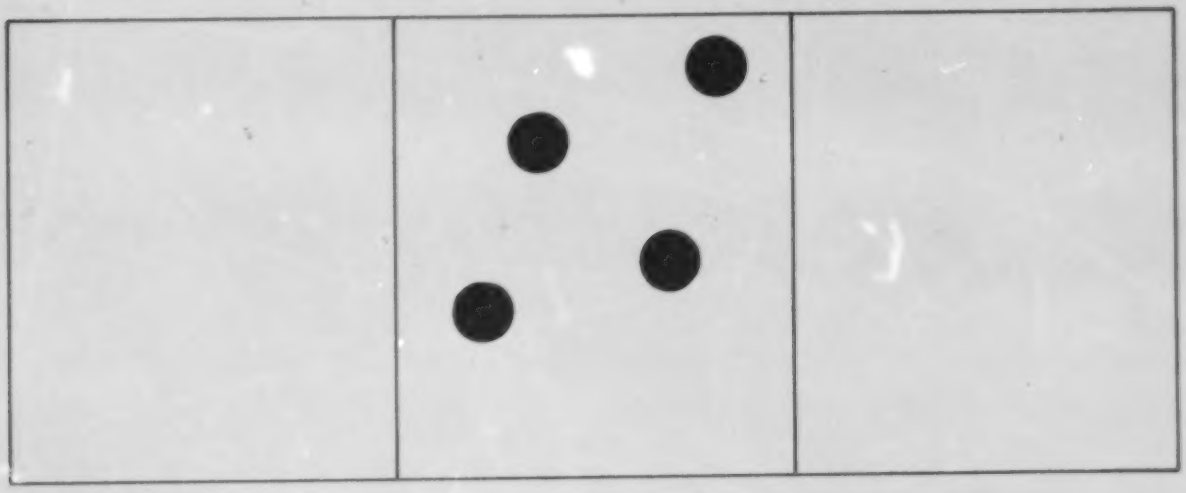




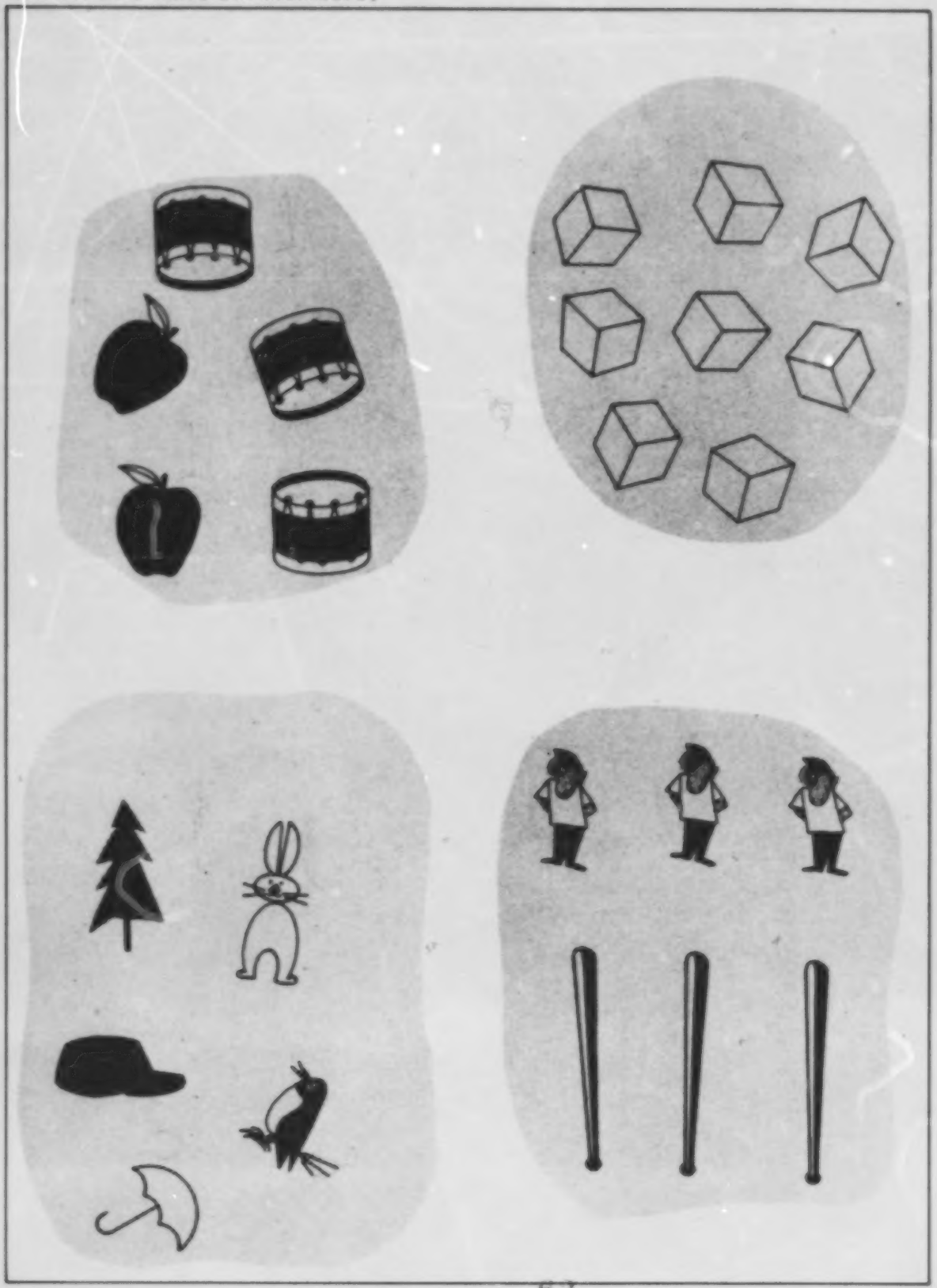
Order of sets



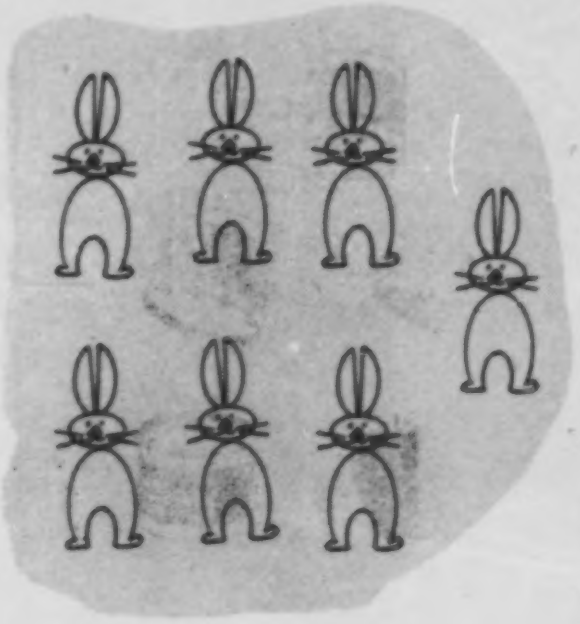




Which sets have six members?

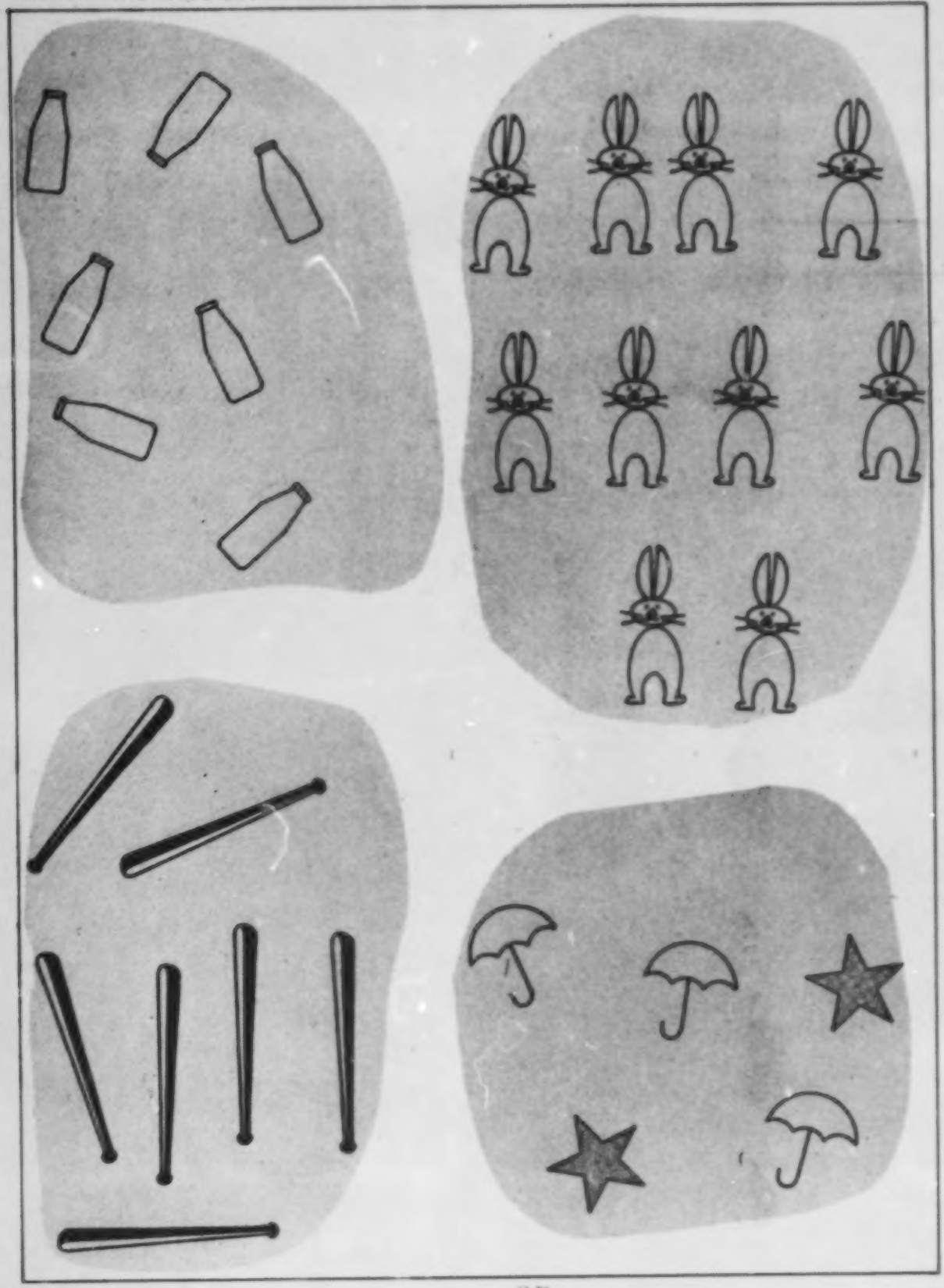


Which sets have six members?

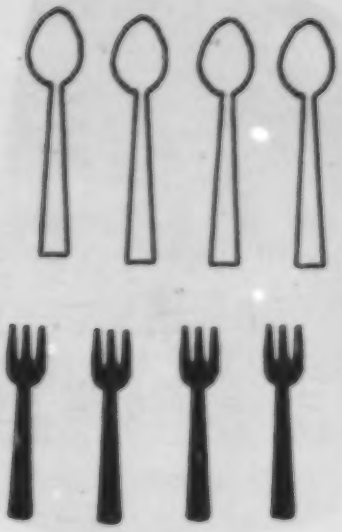


Which sets have seven members?

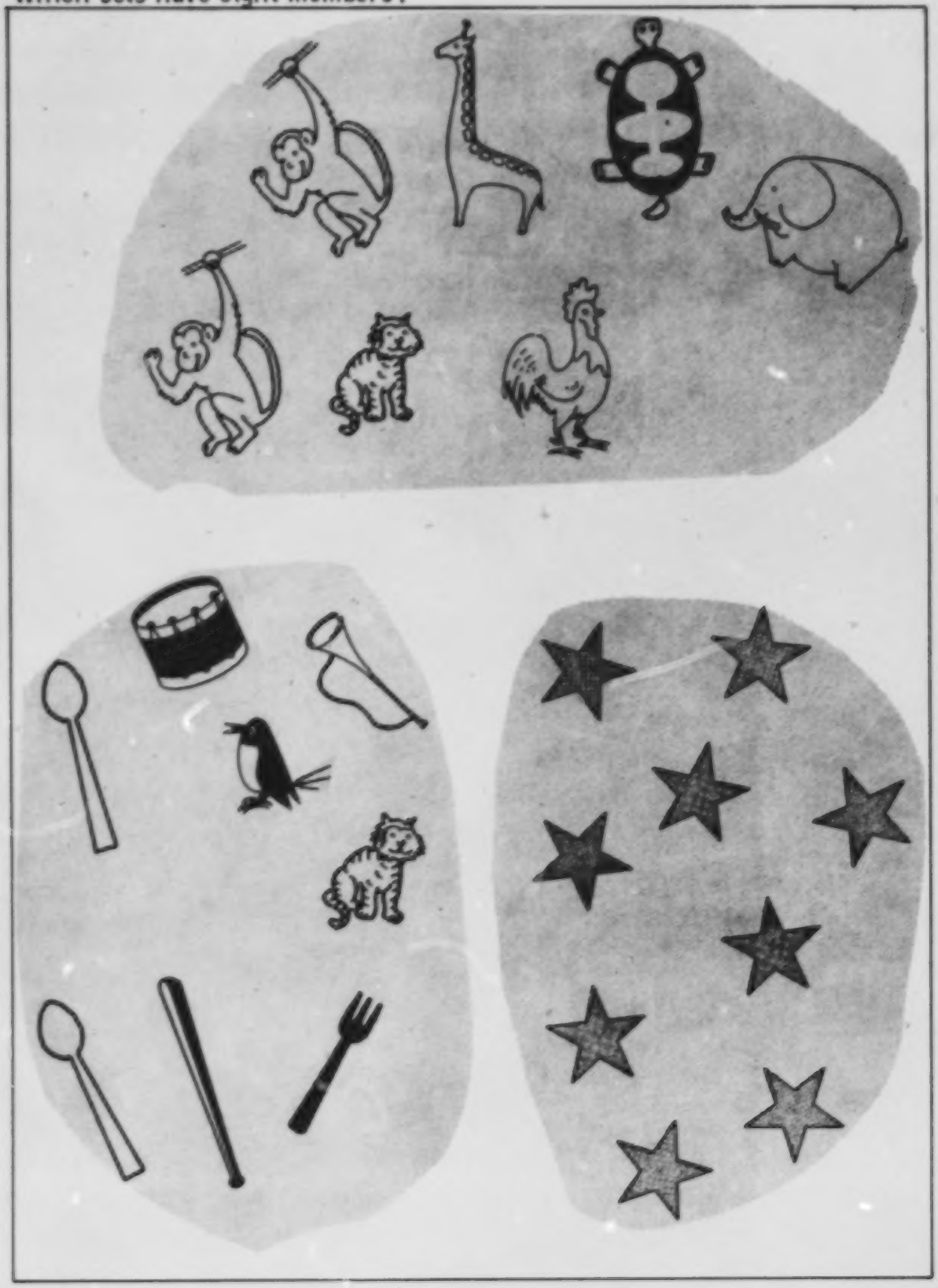
Which sets have seven members?



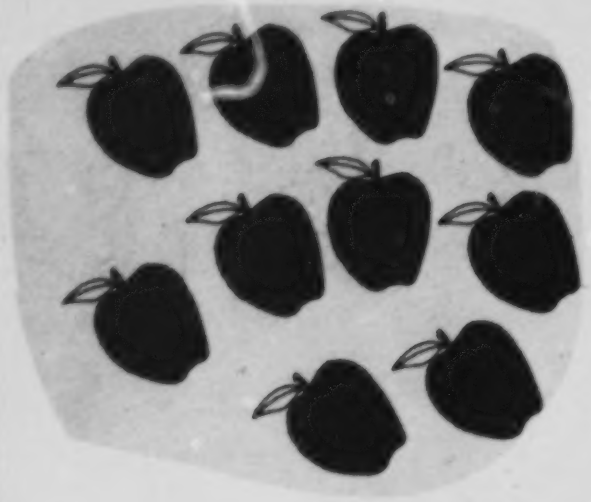
Which sets have eight members?

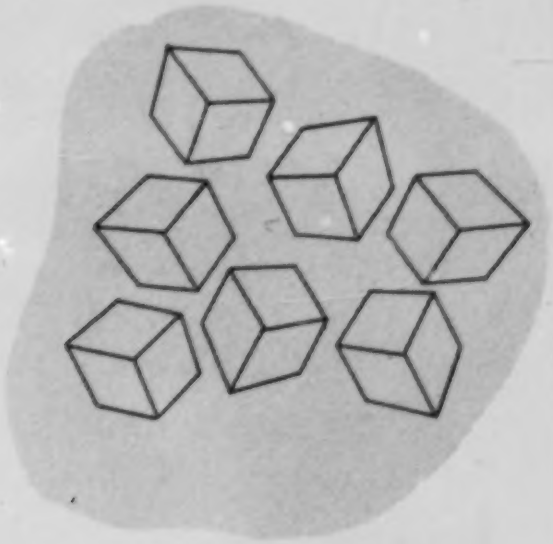


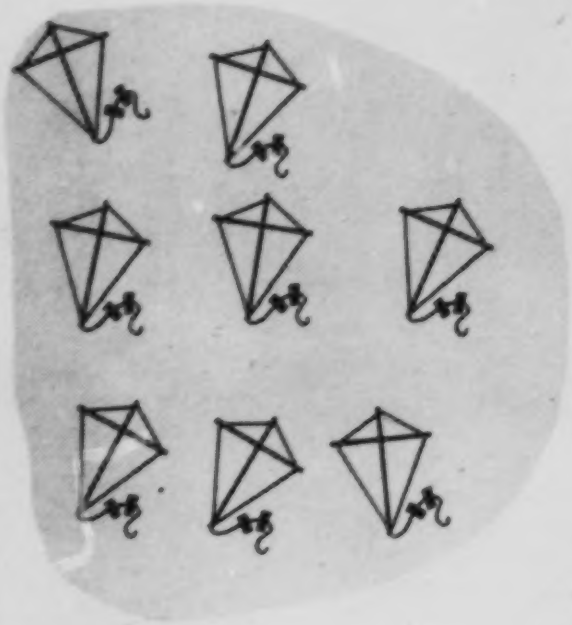
Which sets have eight members?



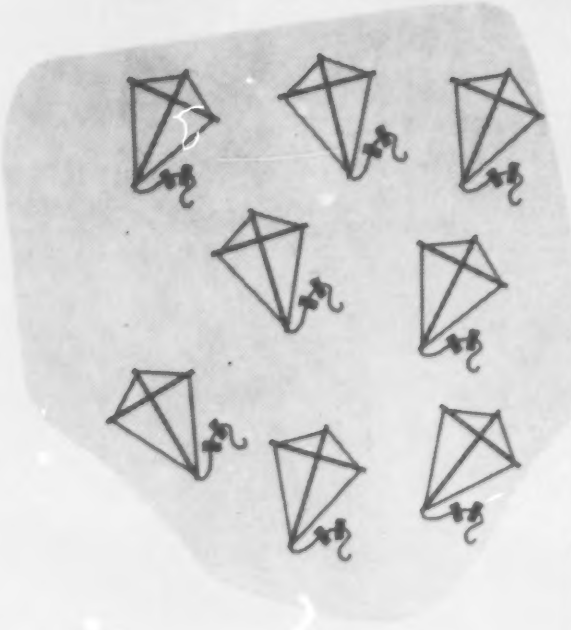
Which sets have nine members?



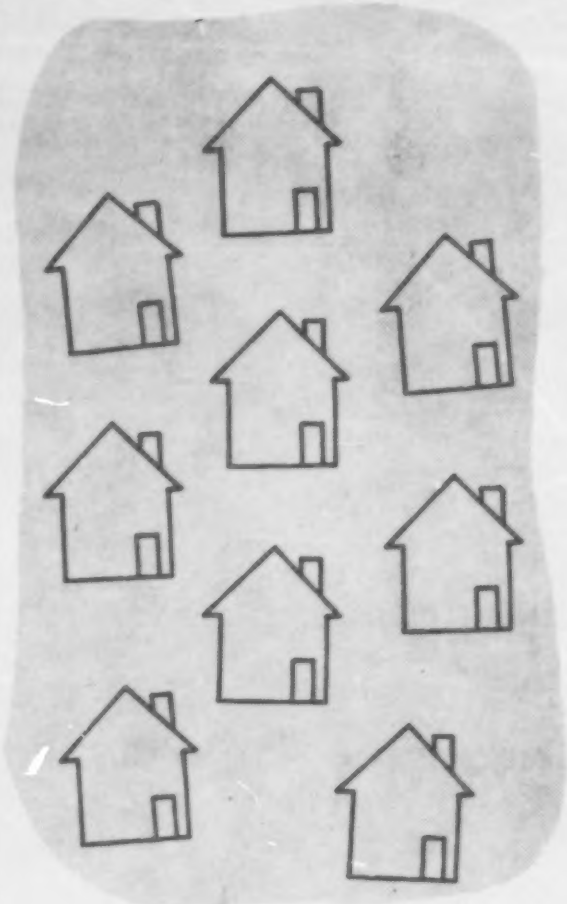


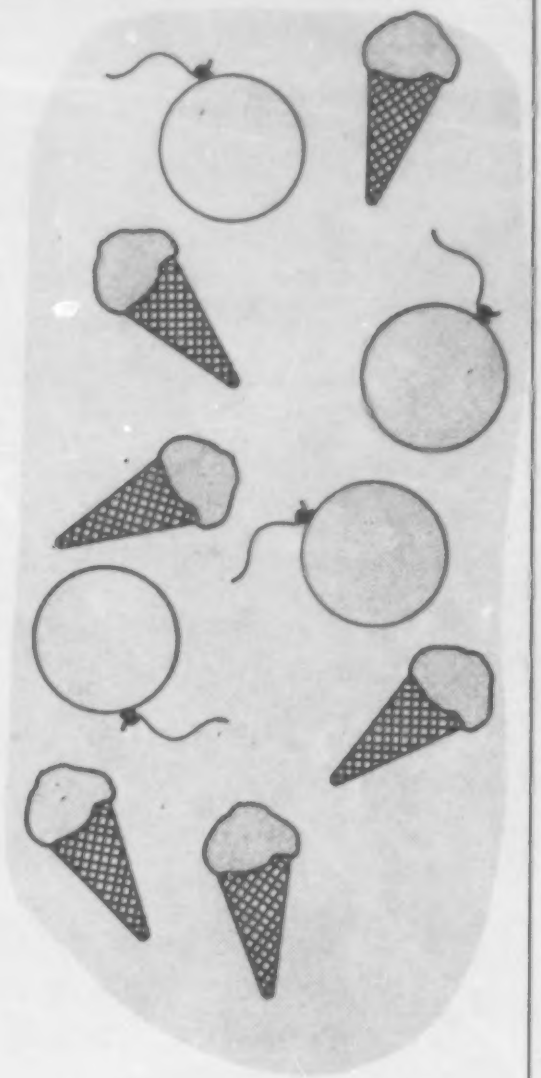


Which sets have nine members?

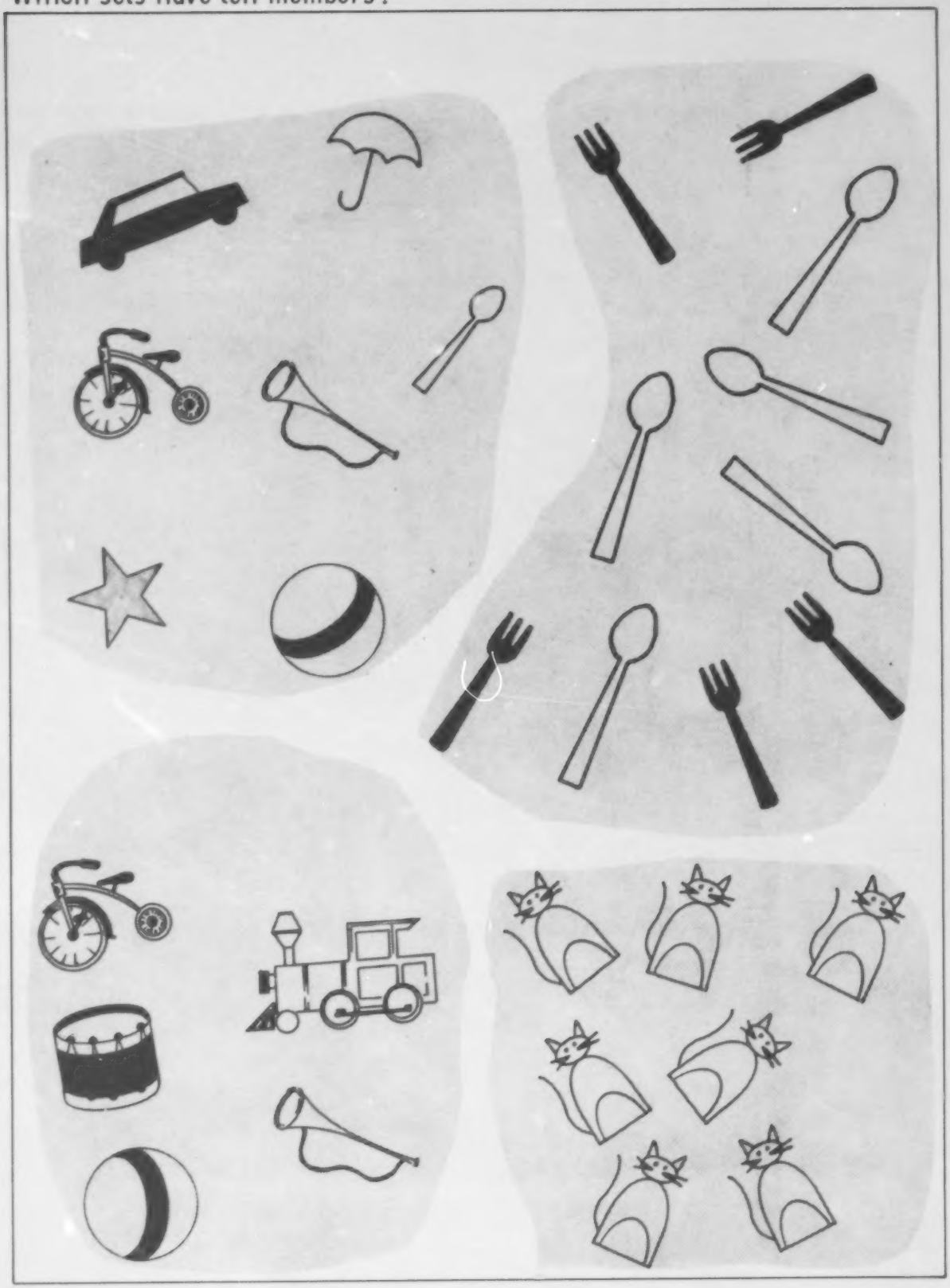


Which sets have ten members?

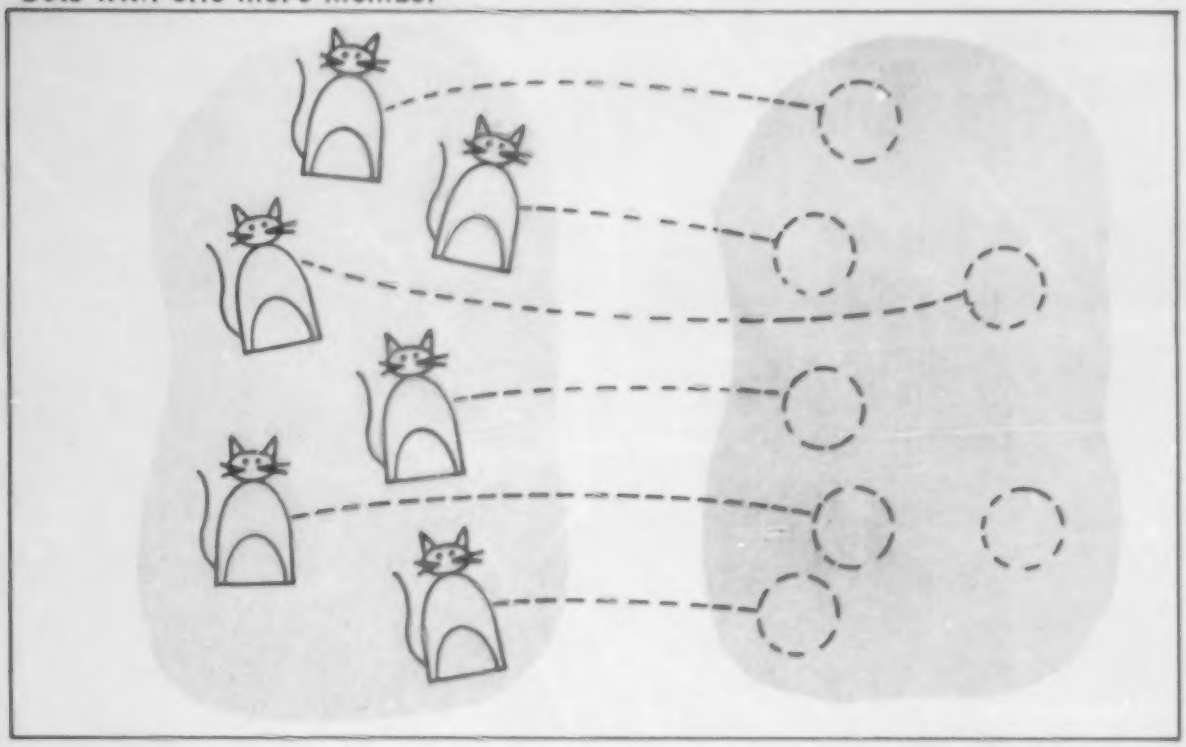


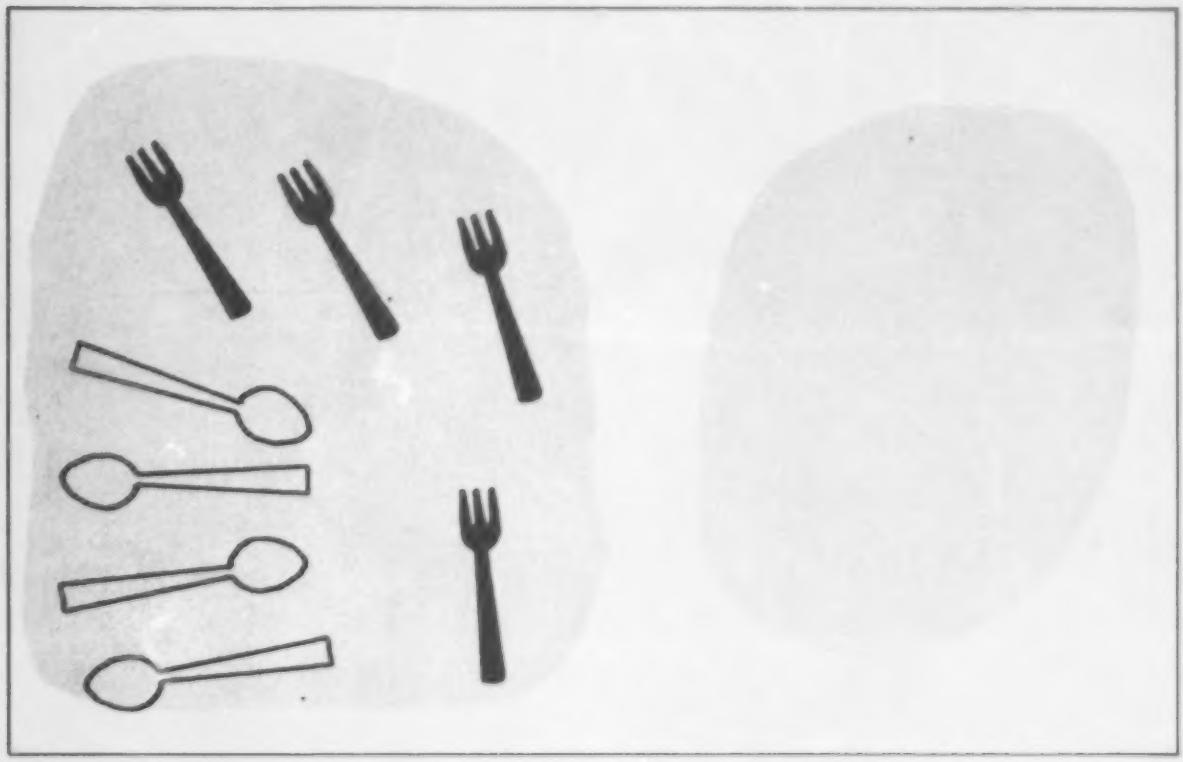


Which sets have ten members?

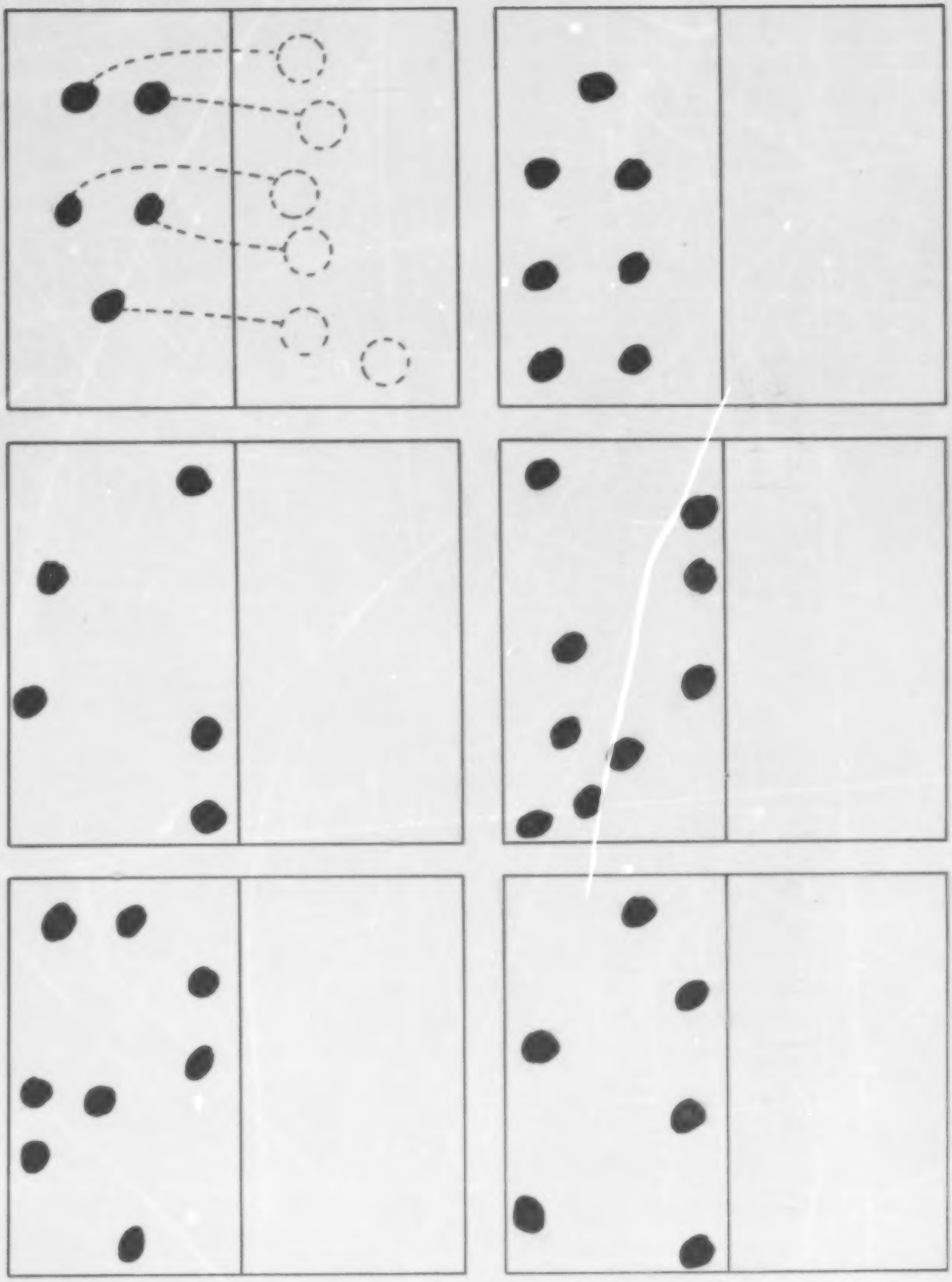


Sets with one more member

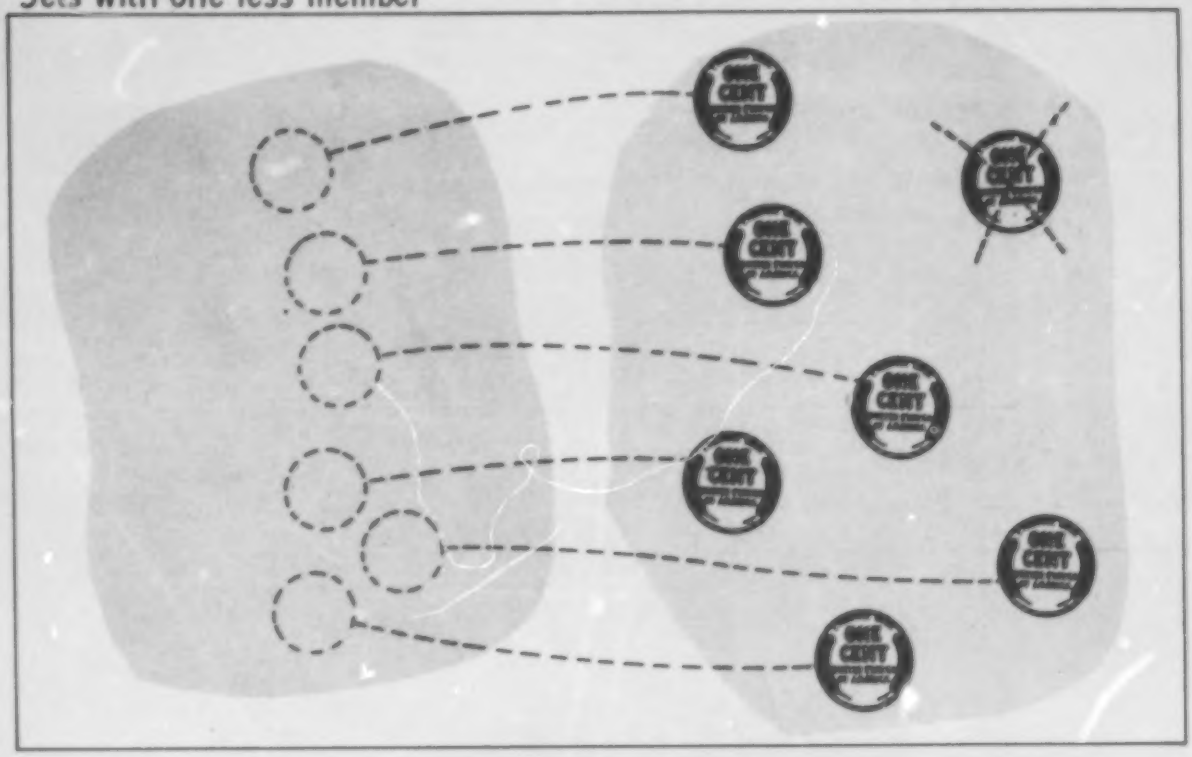


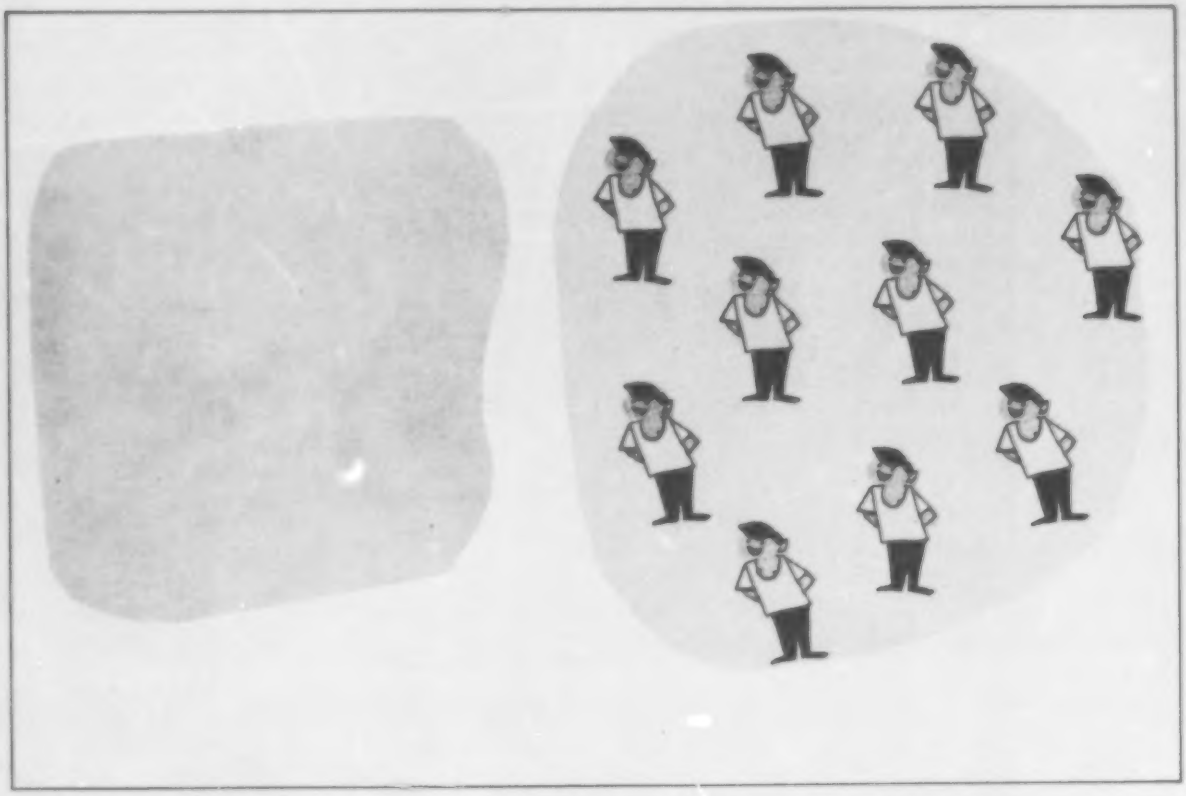


Sets with one more member

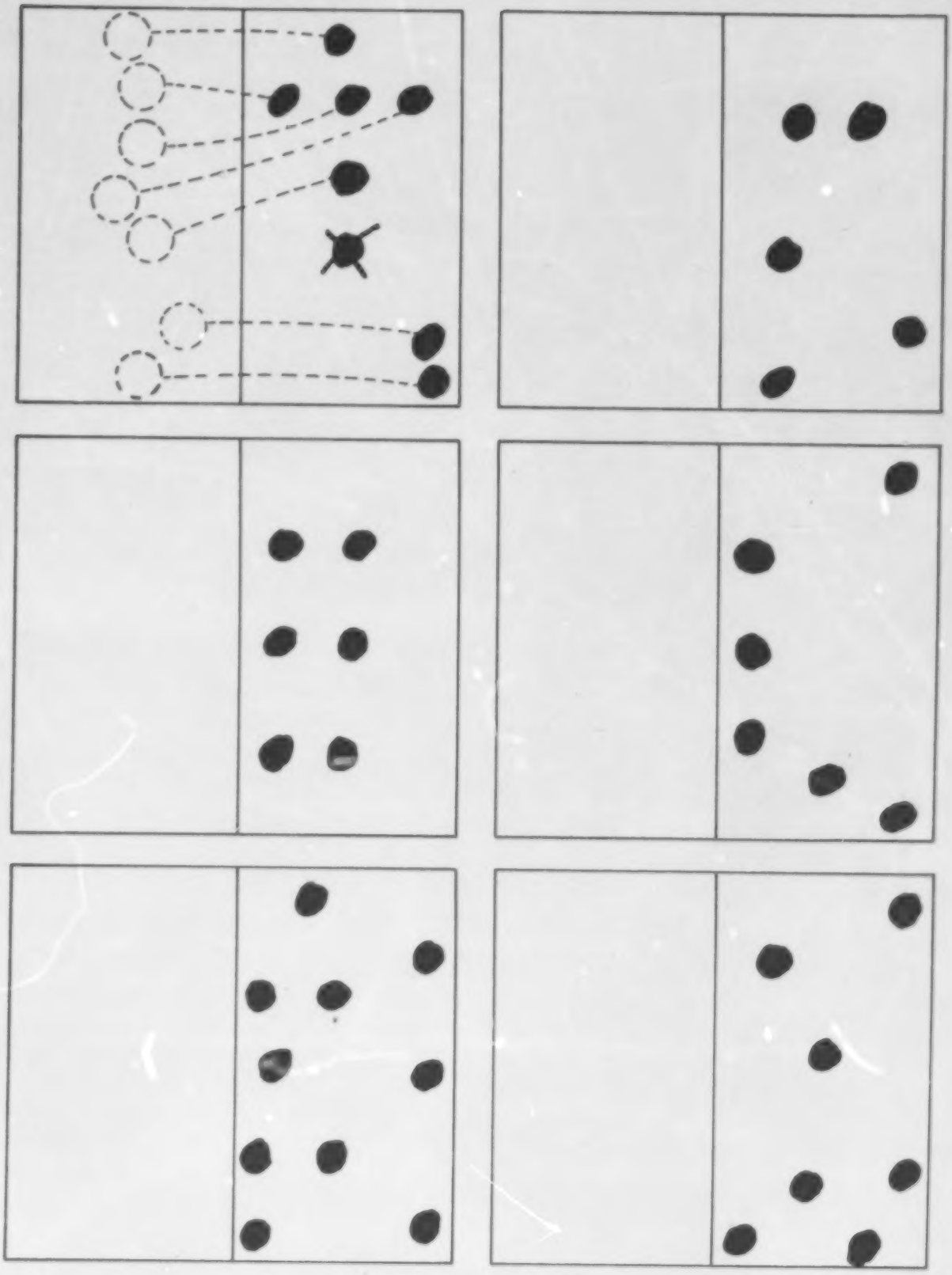


Sets with one less member

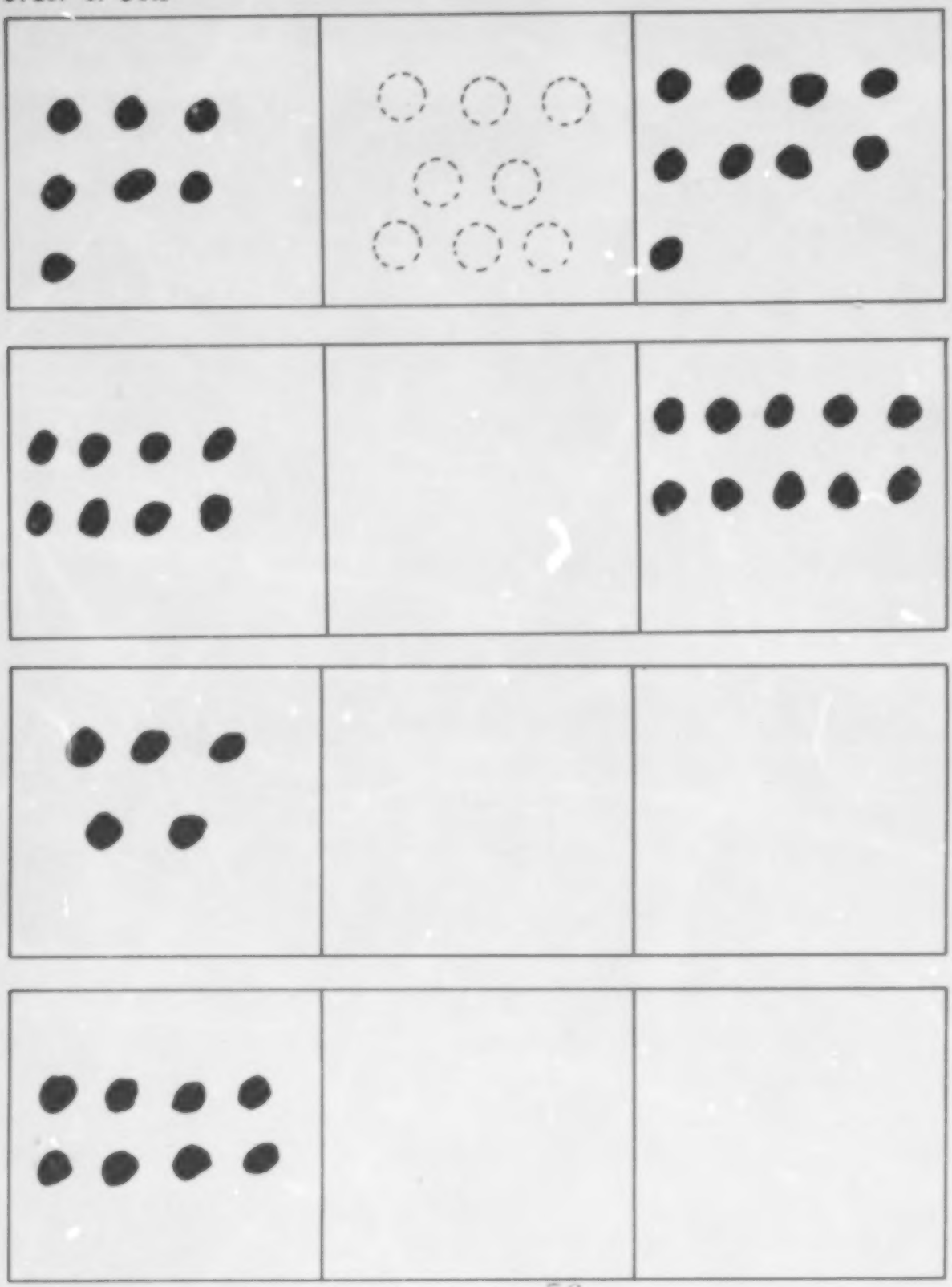




Sets with one less member



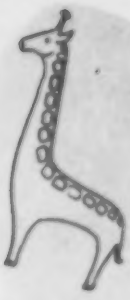
Order of Sets



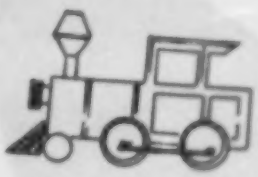
Which sets go with 0 ?

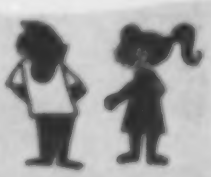
Which sets go with 1 ?

1



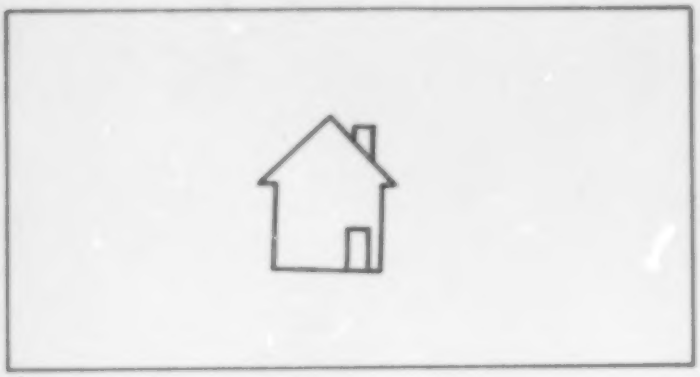
Which sets go with 2 ?

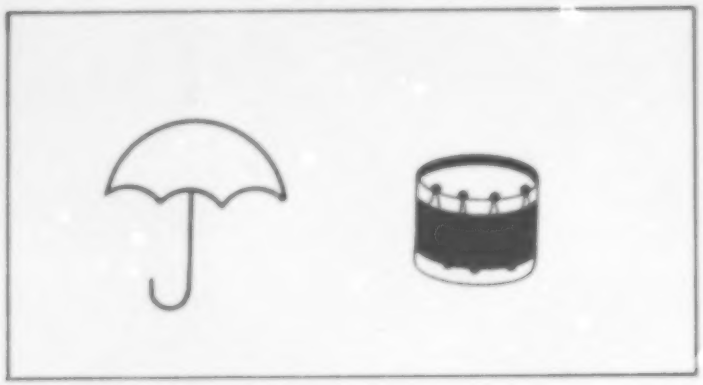




2

Pair each set with its number name





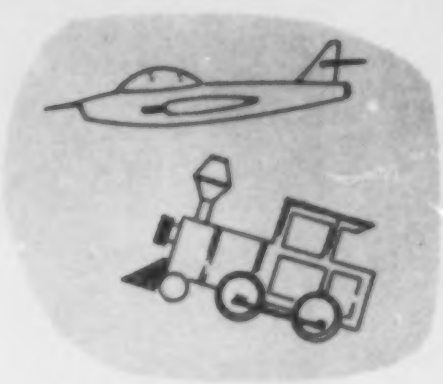
0

1

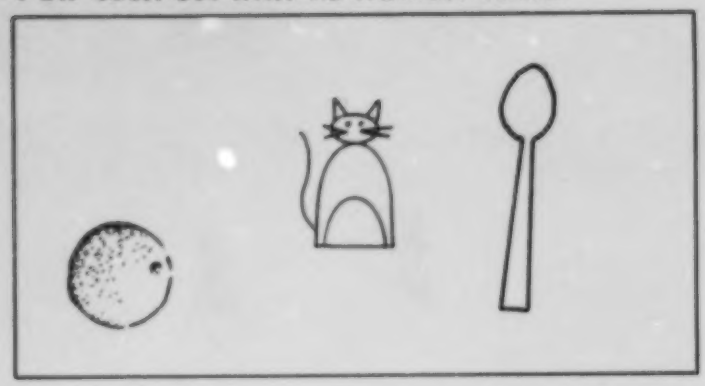
2

Which sets go with 3 ?

3

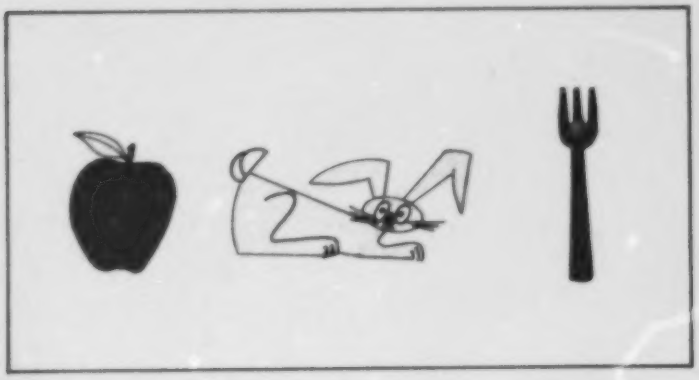


Pair each set with its number name

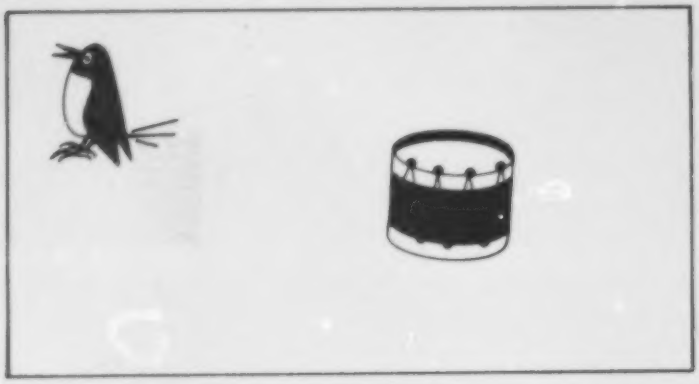


0

1



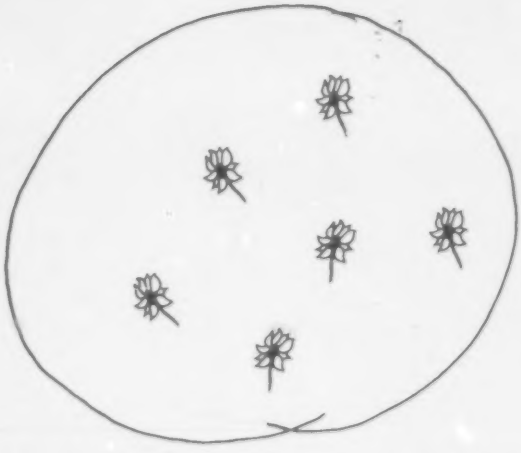
2



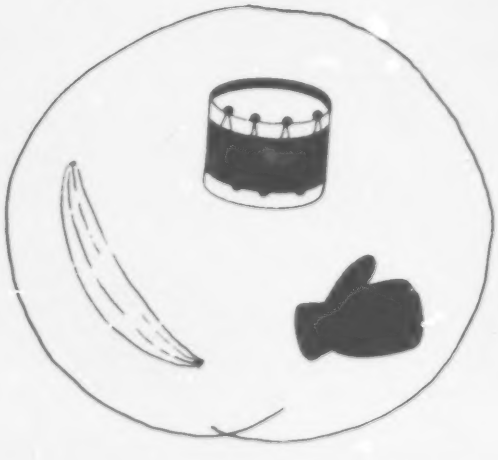
3

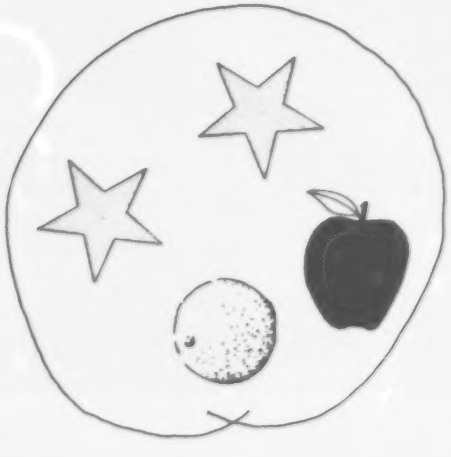
82

Which sets go with 4?

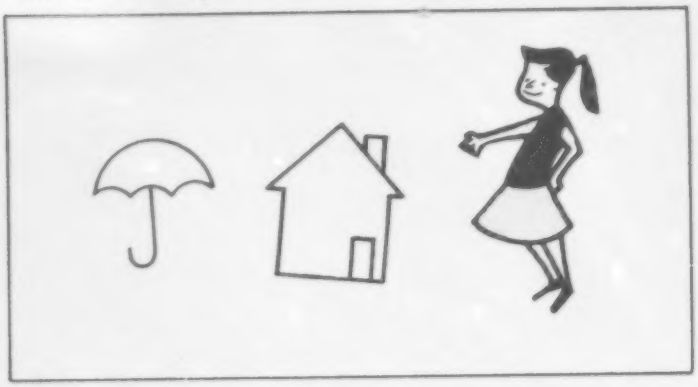


4

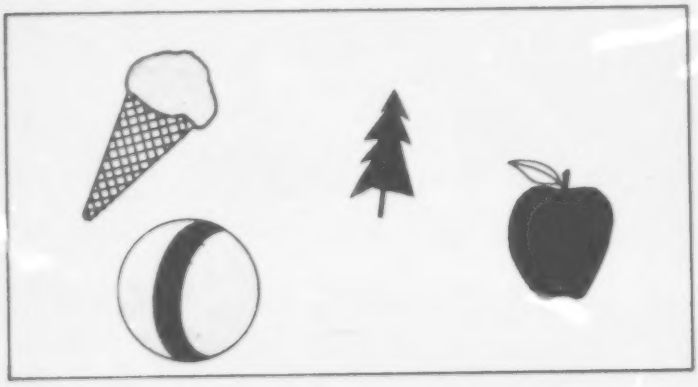




Which sets go with which numbers?



1



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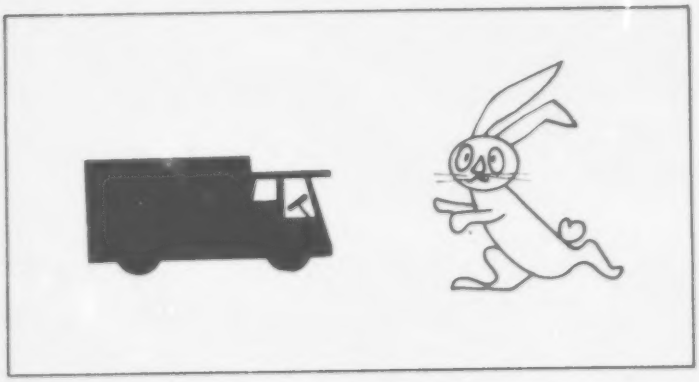
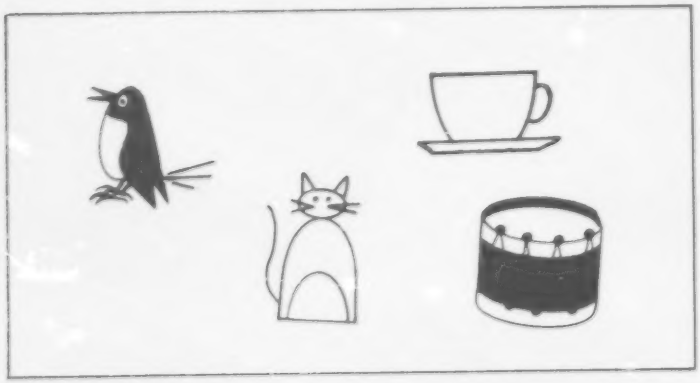
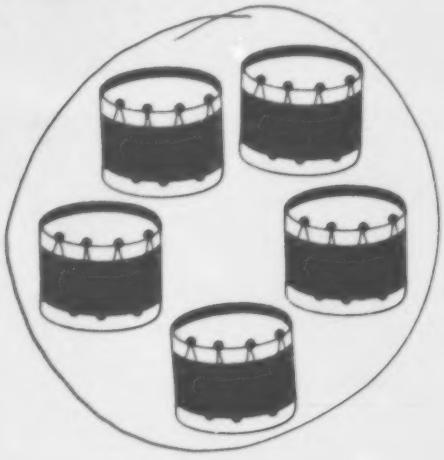


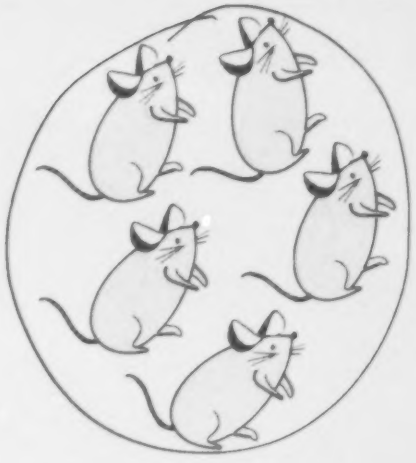
3



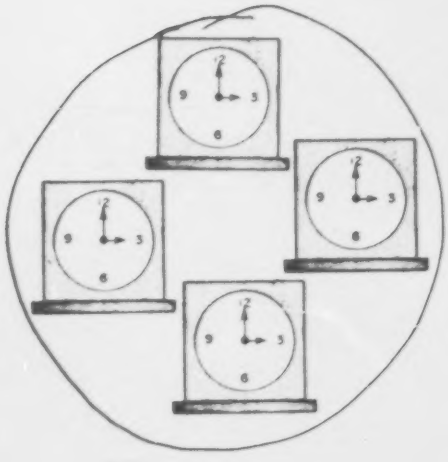
4

Which sets go with 5?

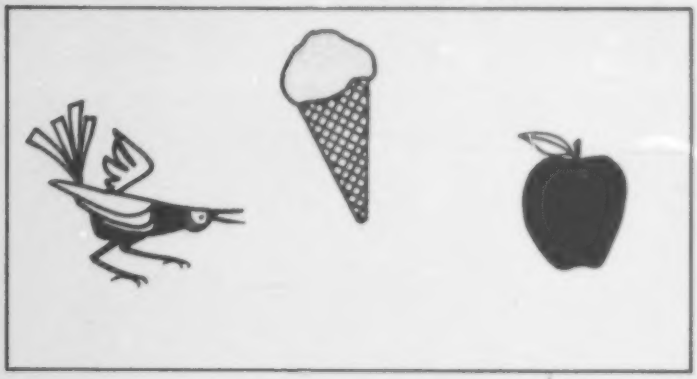




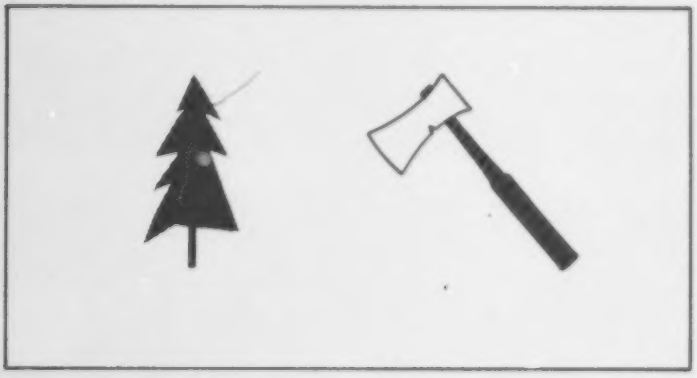
5



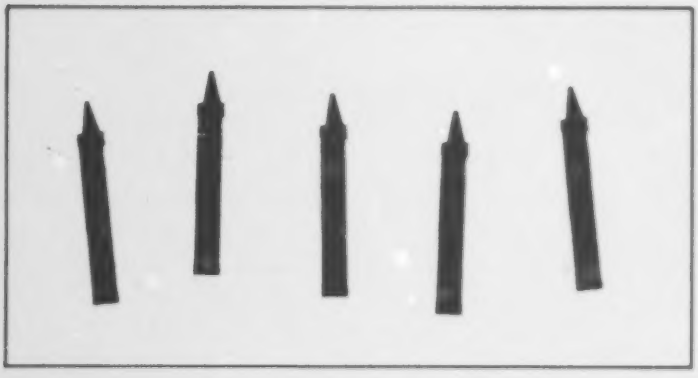
Pair each set with its number name



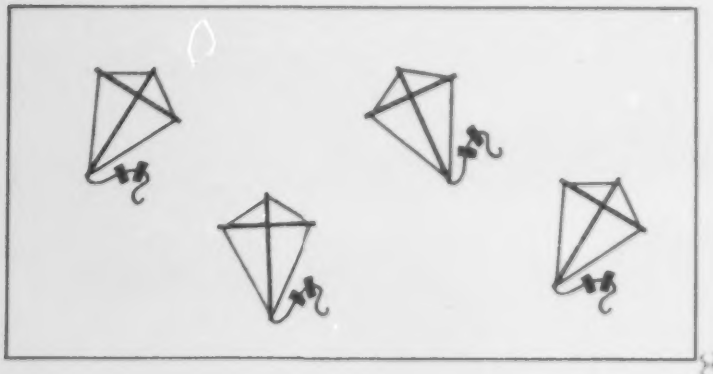
2



3



4



5

Teaching Page

Ring the correct numeral

2

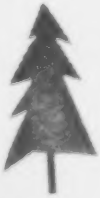
4

0

5

3

4



3

1

0

Ring the correct numeral

4 3 5

1 2 3

2 1 4

Teaching Page

Ring the correct numeral

3

4

5

0

1

3

2

1

0

Which numbers are greater?

3	~~2~~	(5)	(4)
4	0	5	1
1	2	4	0
5	4	0	1
0	3	5	2
2	0	4	1

Which numbers are greater?

2	3 0 4
0	5 3 1
5	0 2 3
3	1 5 4
1	2 0 3
4	0 5 2

Teaching Page

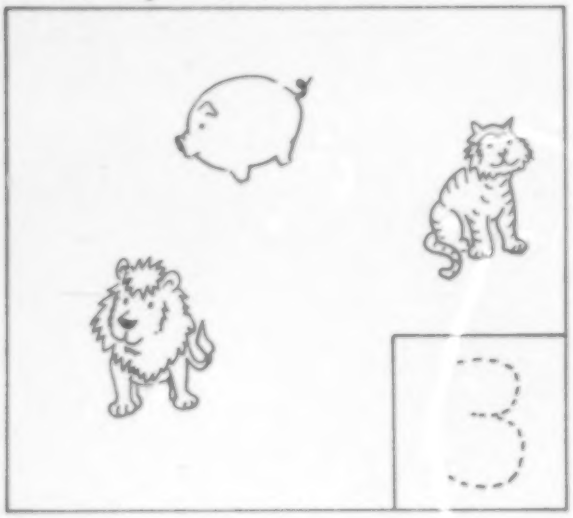
Which numbers are less?

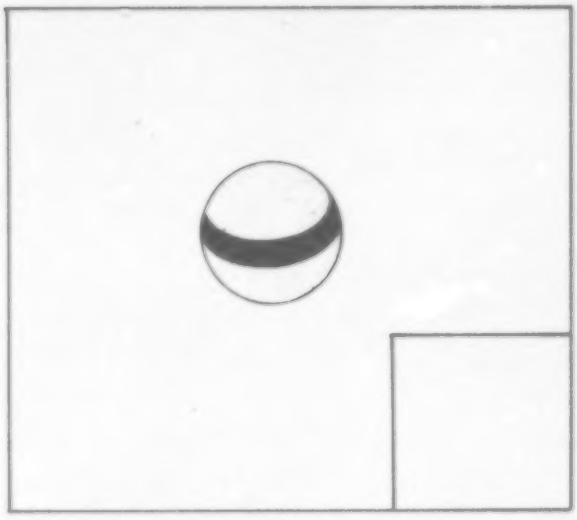
3	2 5 4
4	0 5 1
1	2 4 0
5	4 0 1
0	3 5 2
2	0 4 1

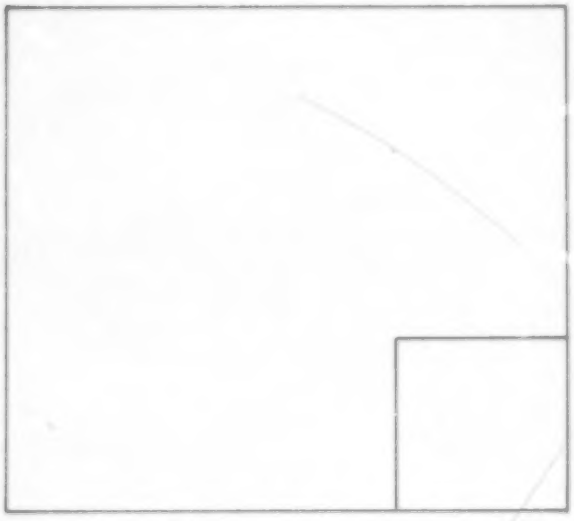
Which numbers are less?

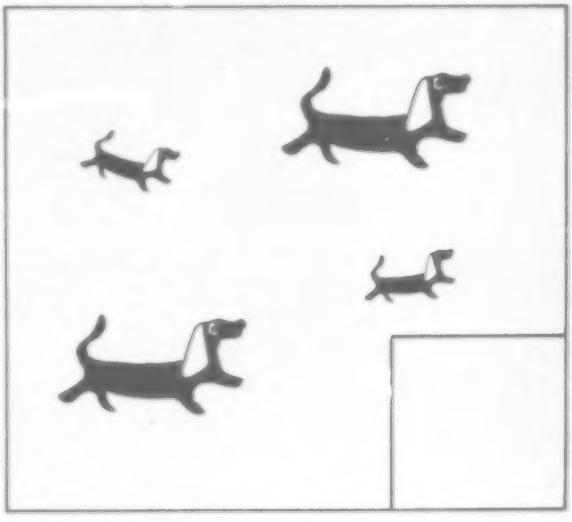
2	1 4 0
4	2 5 3
1	3 0 5
5	2 1 3
0	4 2 1
3	5 0 2

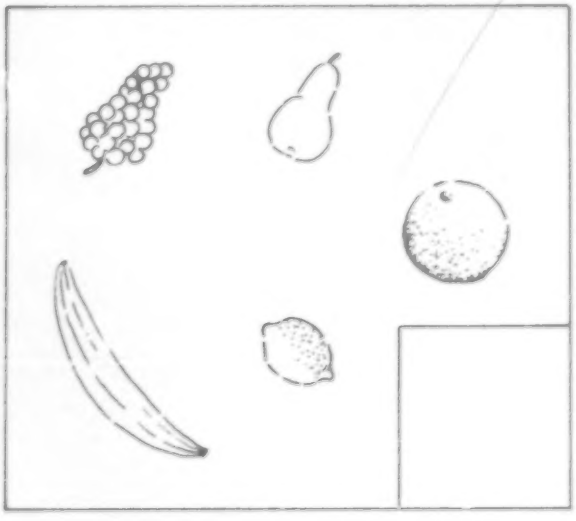
How many in each set?

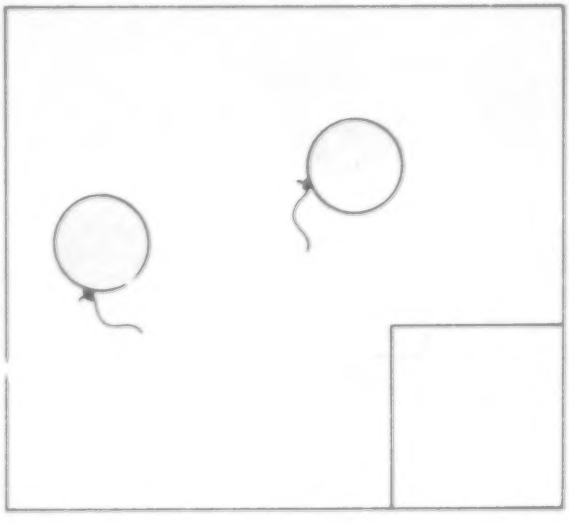




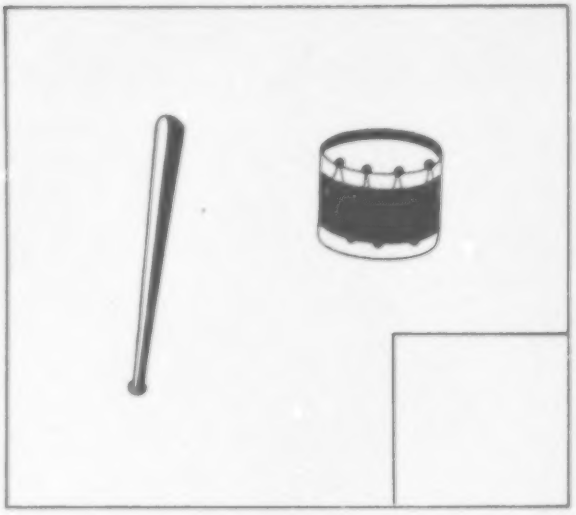


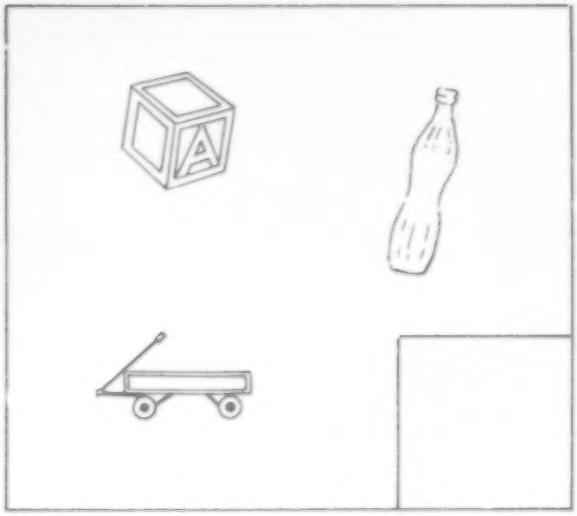


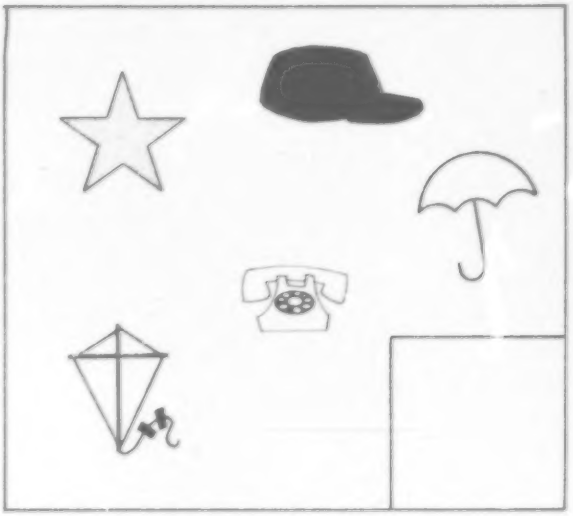


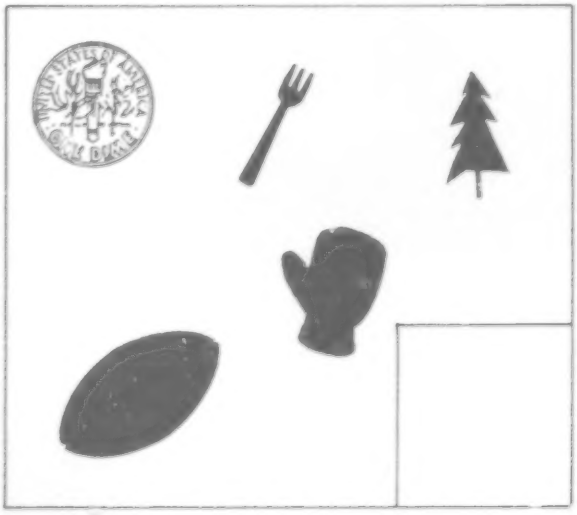


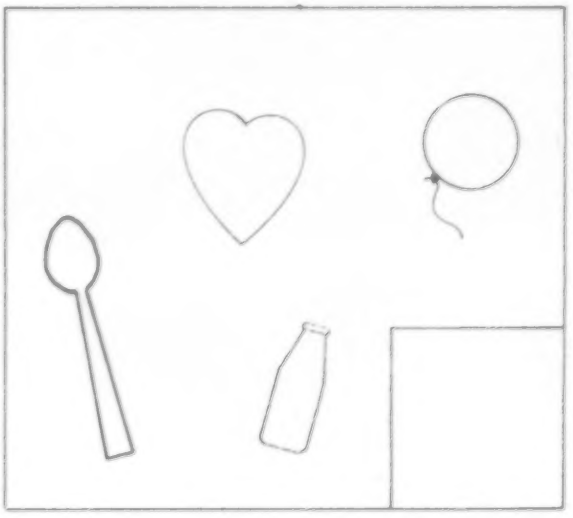
How many in each set?



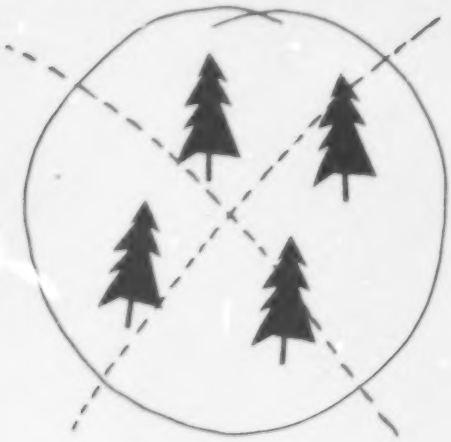




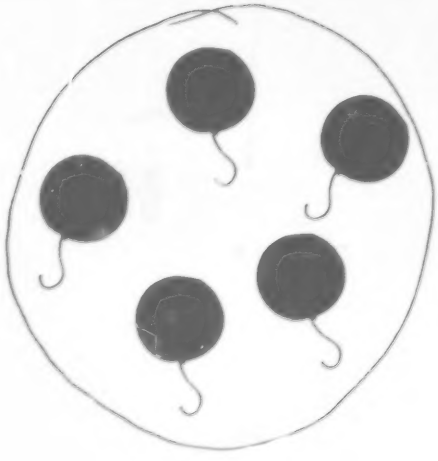


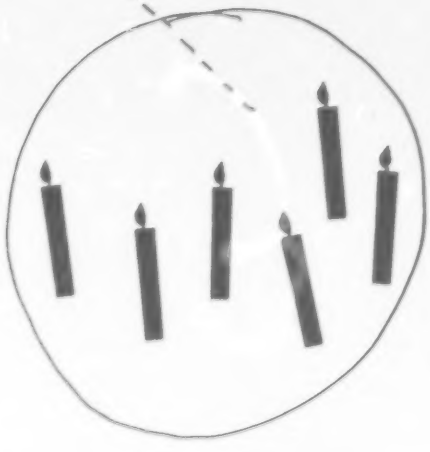


Which sets go with 6?

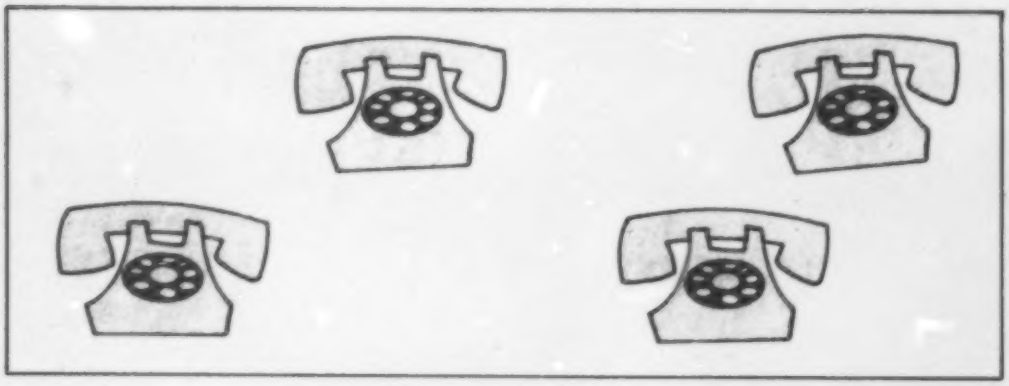


6





Which sets go with which numbers?



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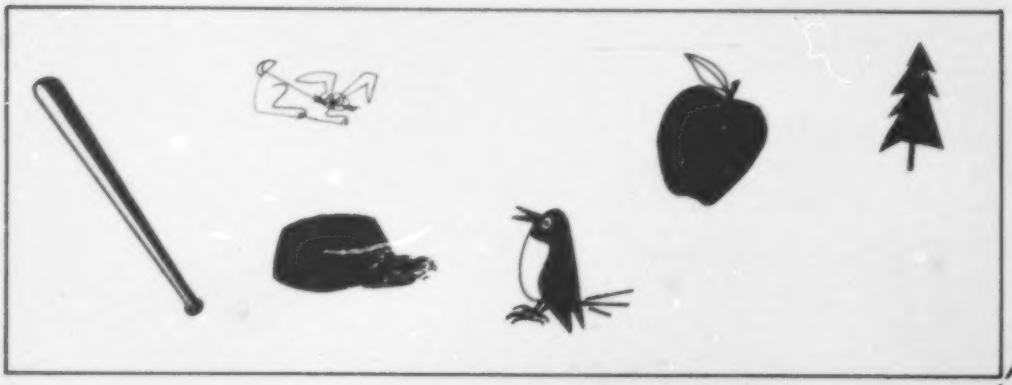

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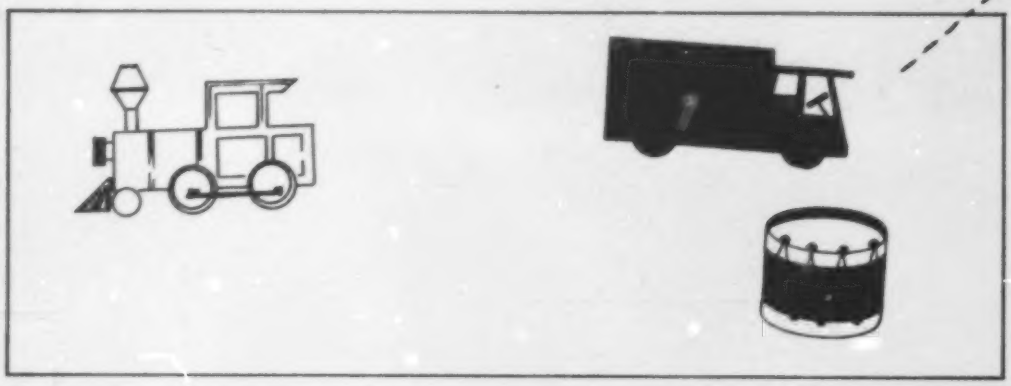

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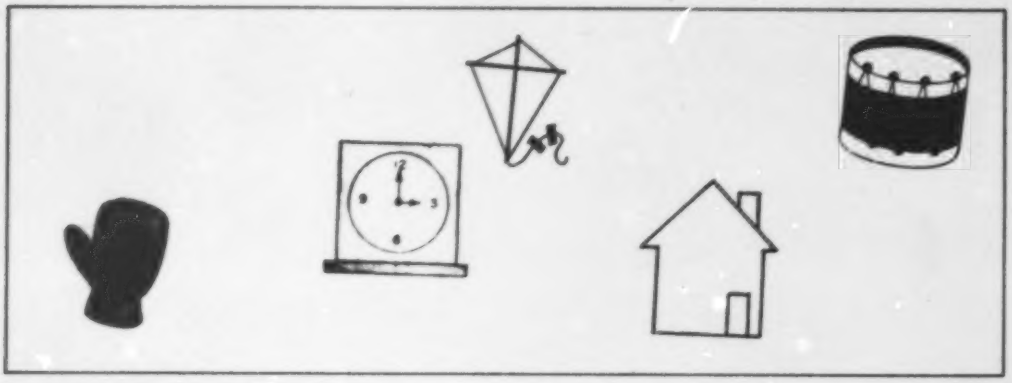
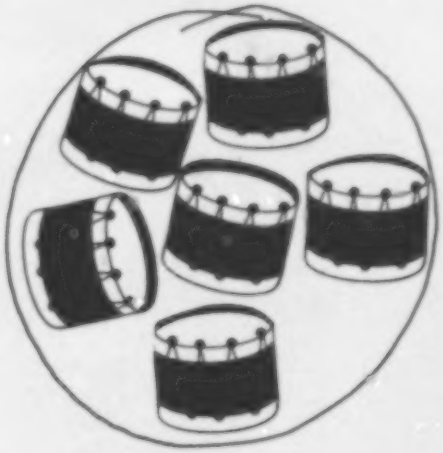


5

6

Which sets go with 7?

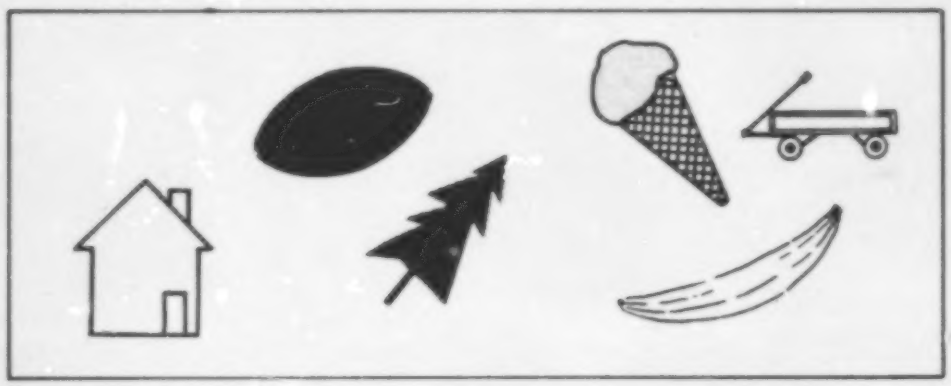


7

Which sets go with which numbers?

3

4



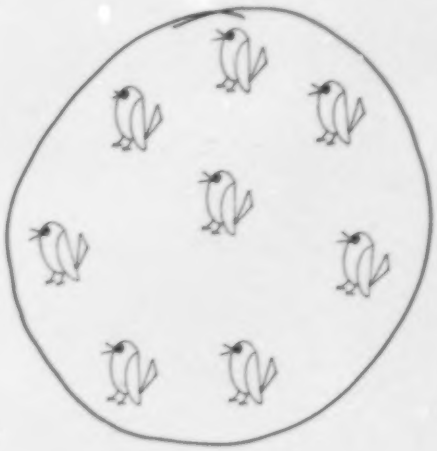
5

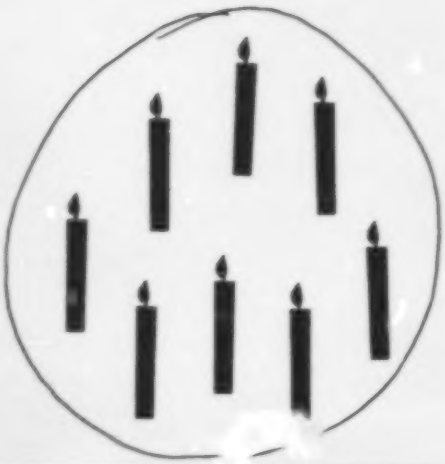
6

7

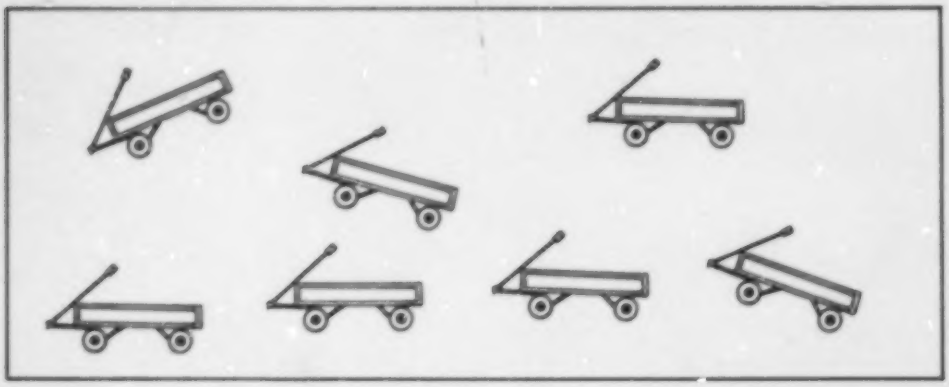
Which sets go with 8?

8





Which sets go with which numbers?



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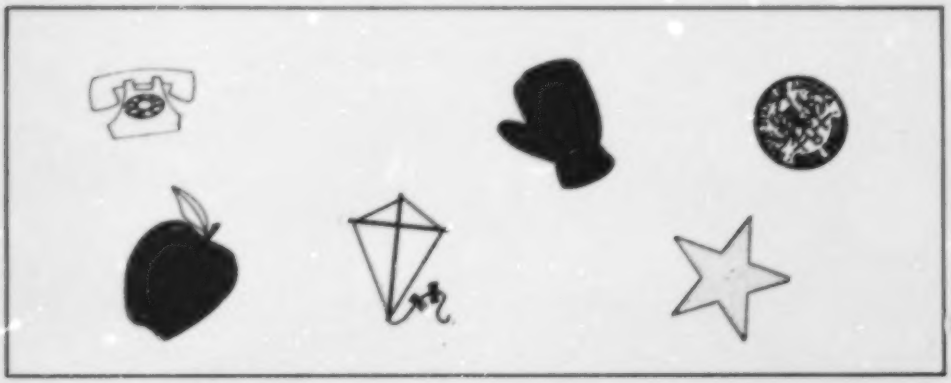

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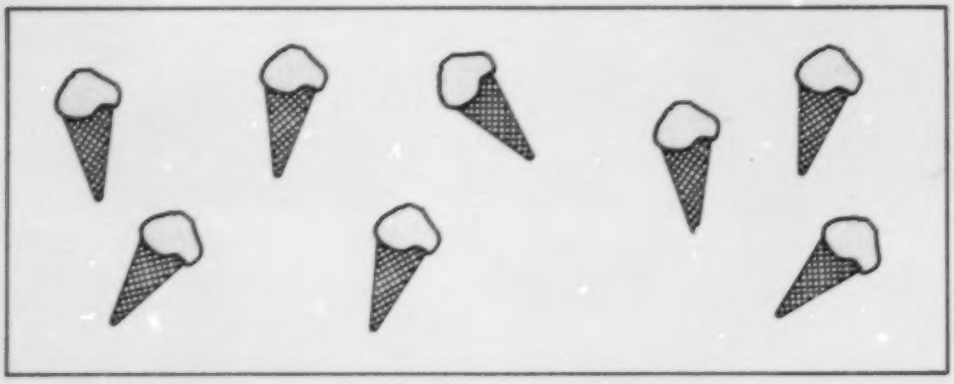
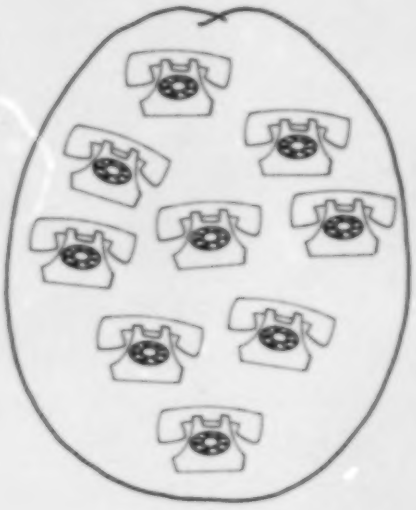


7

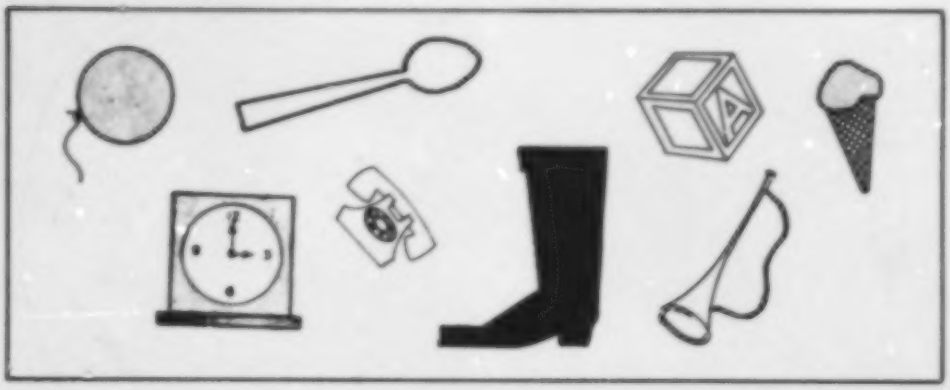
8

Which sets go with 9?

9



Which sets go with which numbers?



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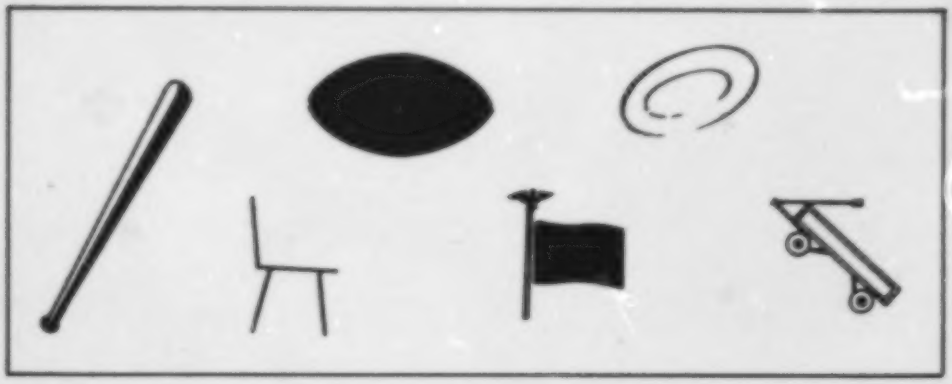

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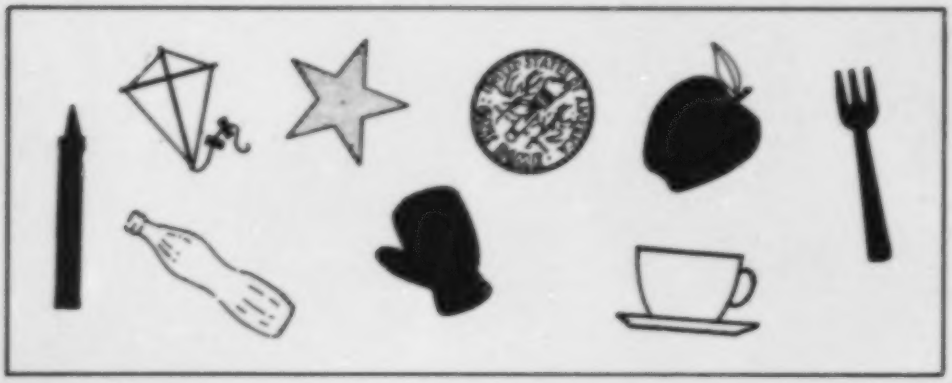
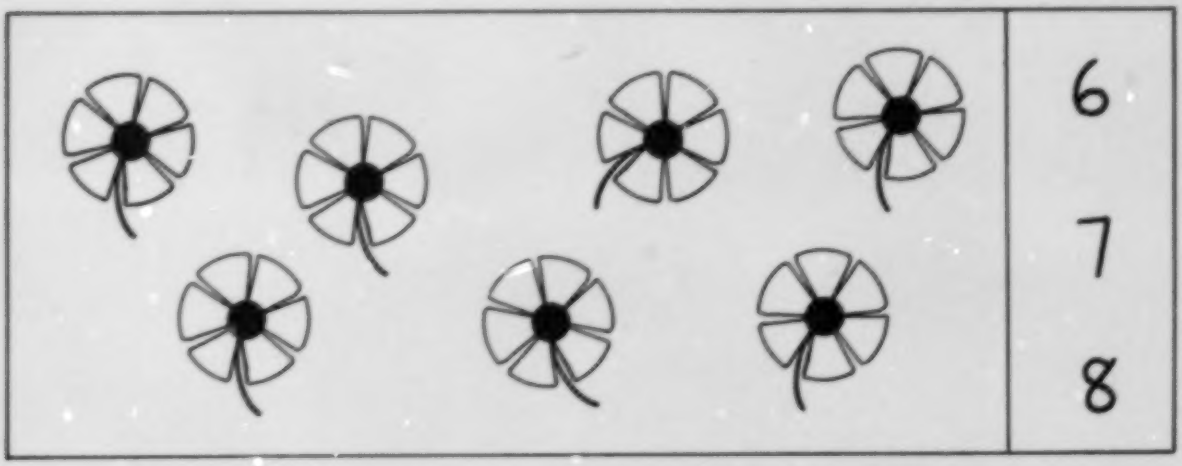


7

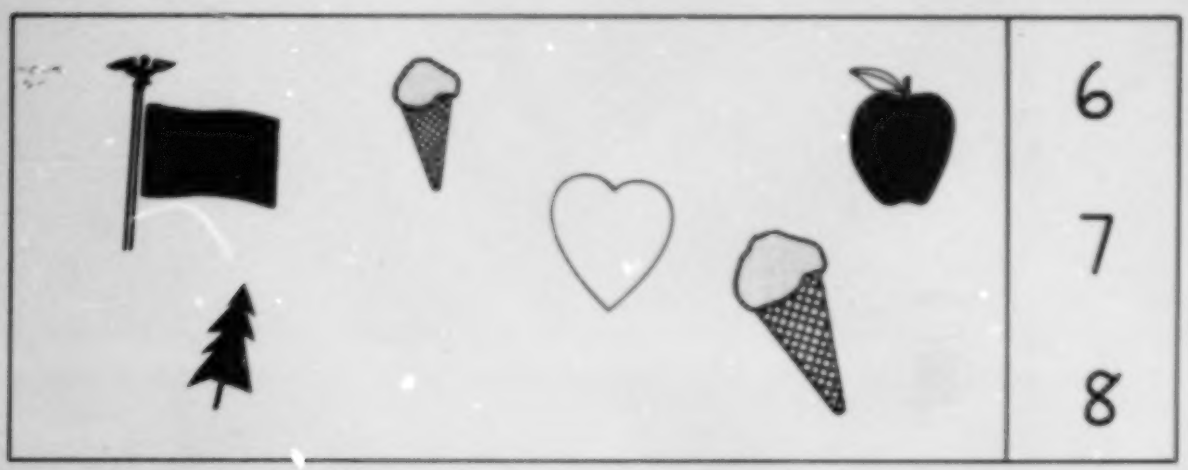
8

9

Ring the correct numeral



Ring the correct numeral

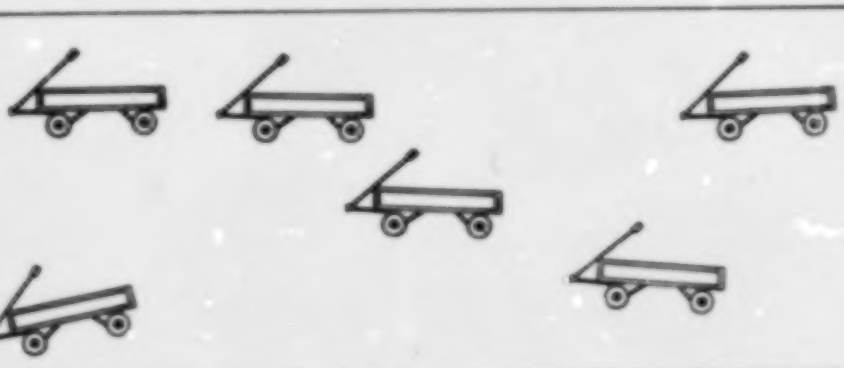


Ring the correct numeral

2 7 4

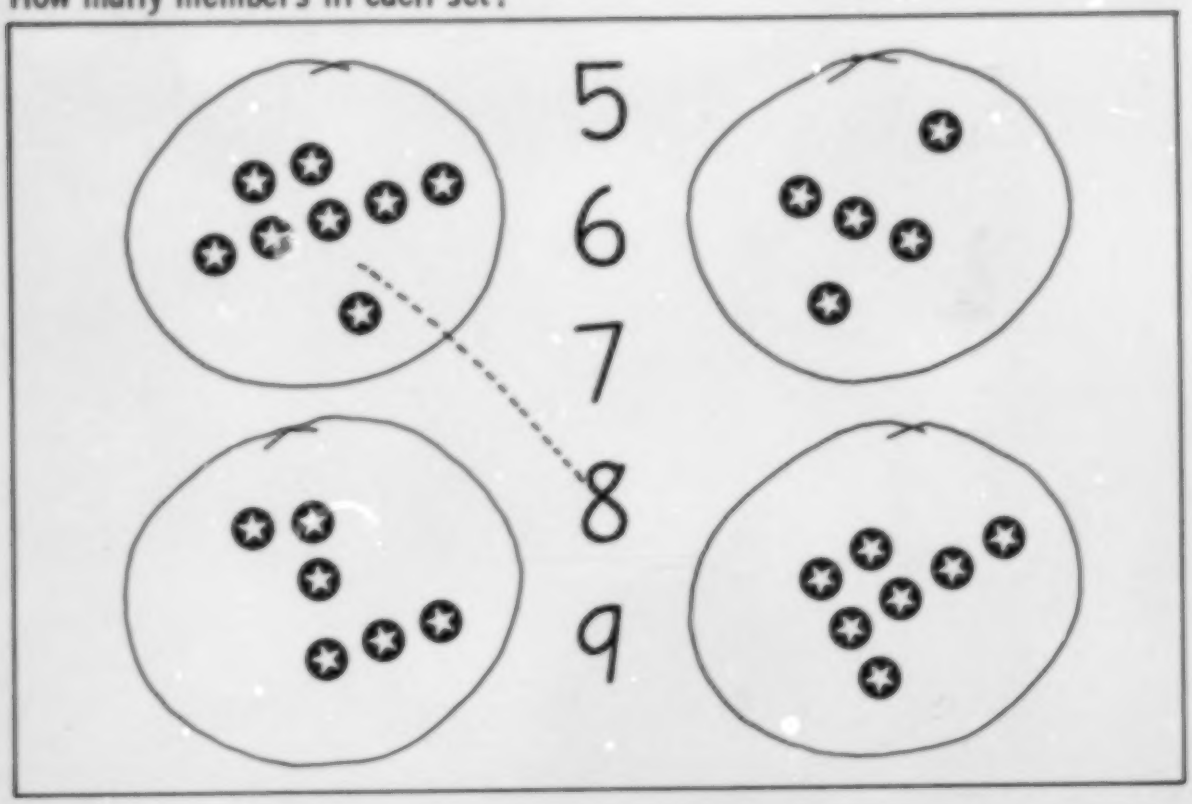
8 6 4

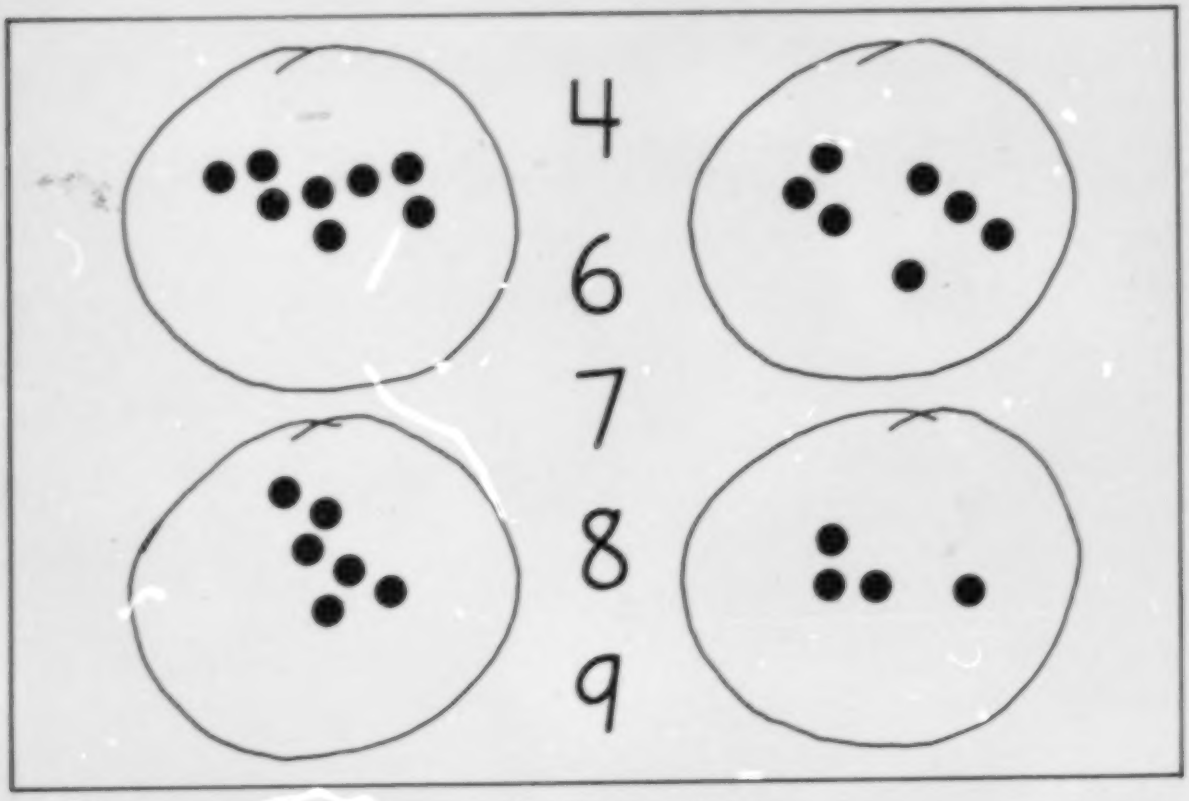
3 9 0



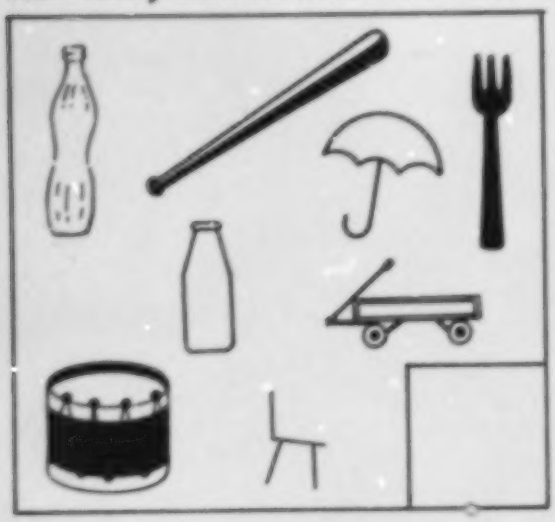
5 6 1

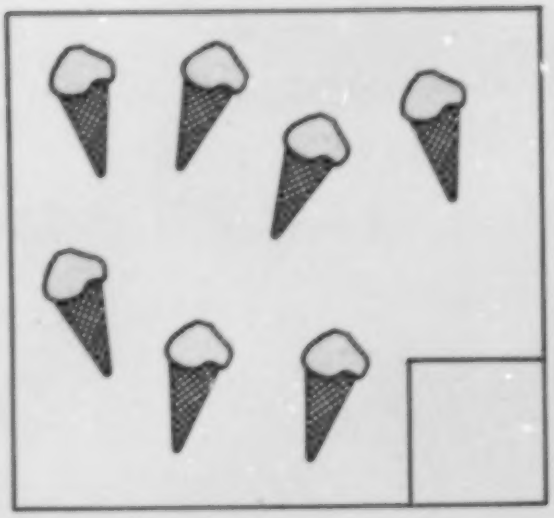
How many members in each set?

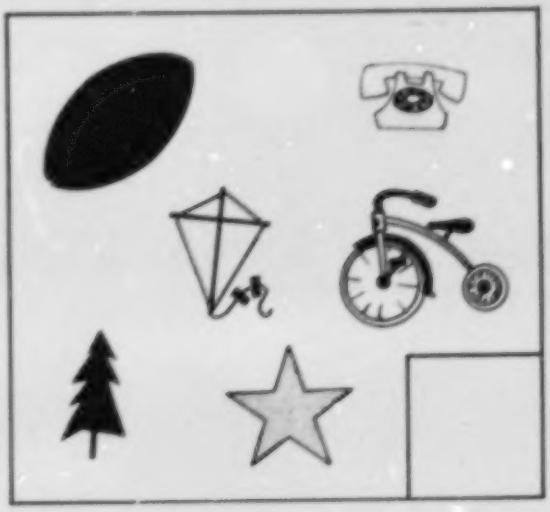


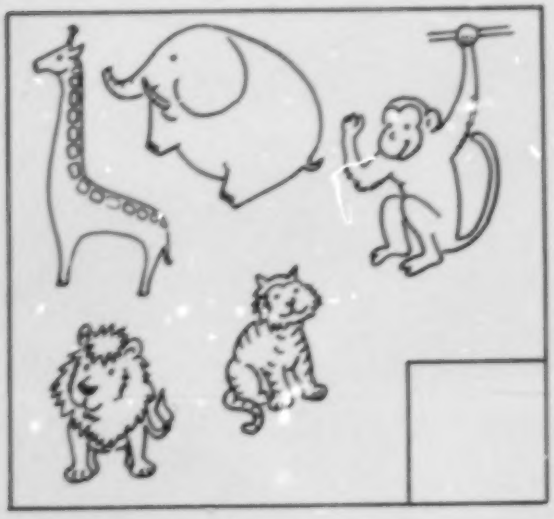


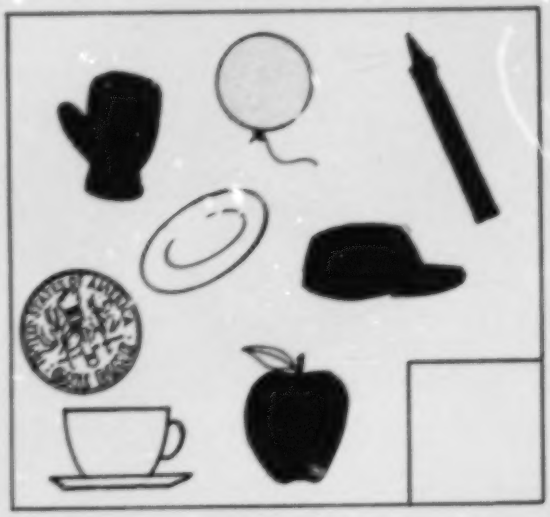
How many members in each set?



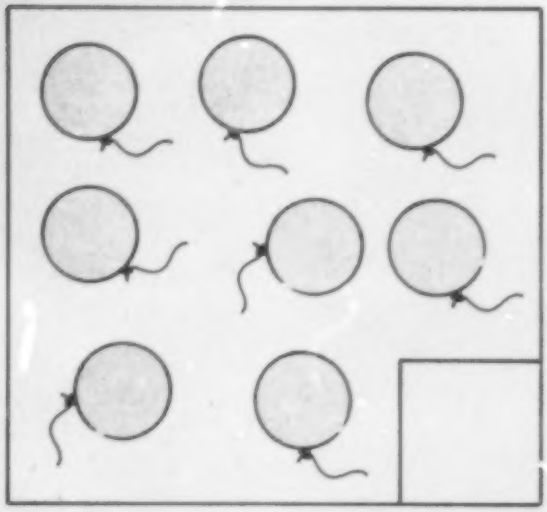


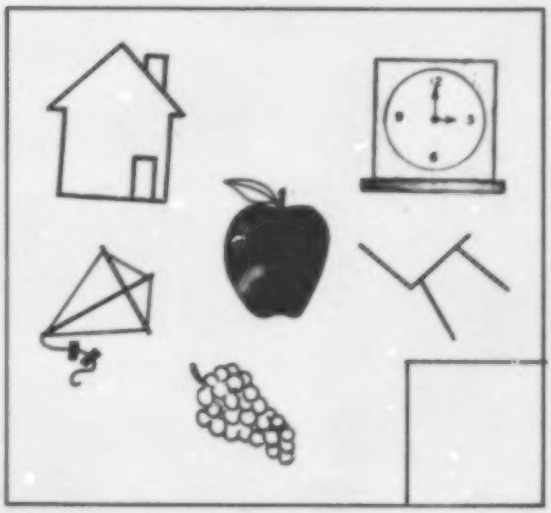


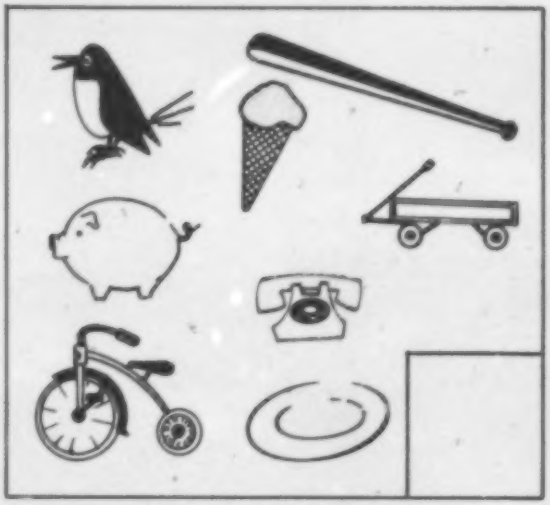


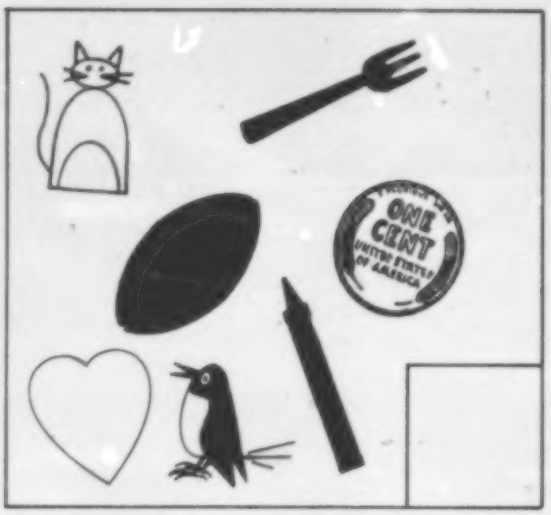


How many members in each set?

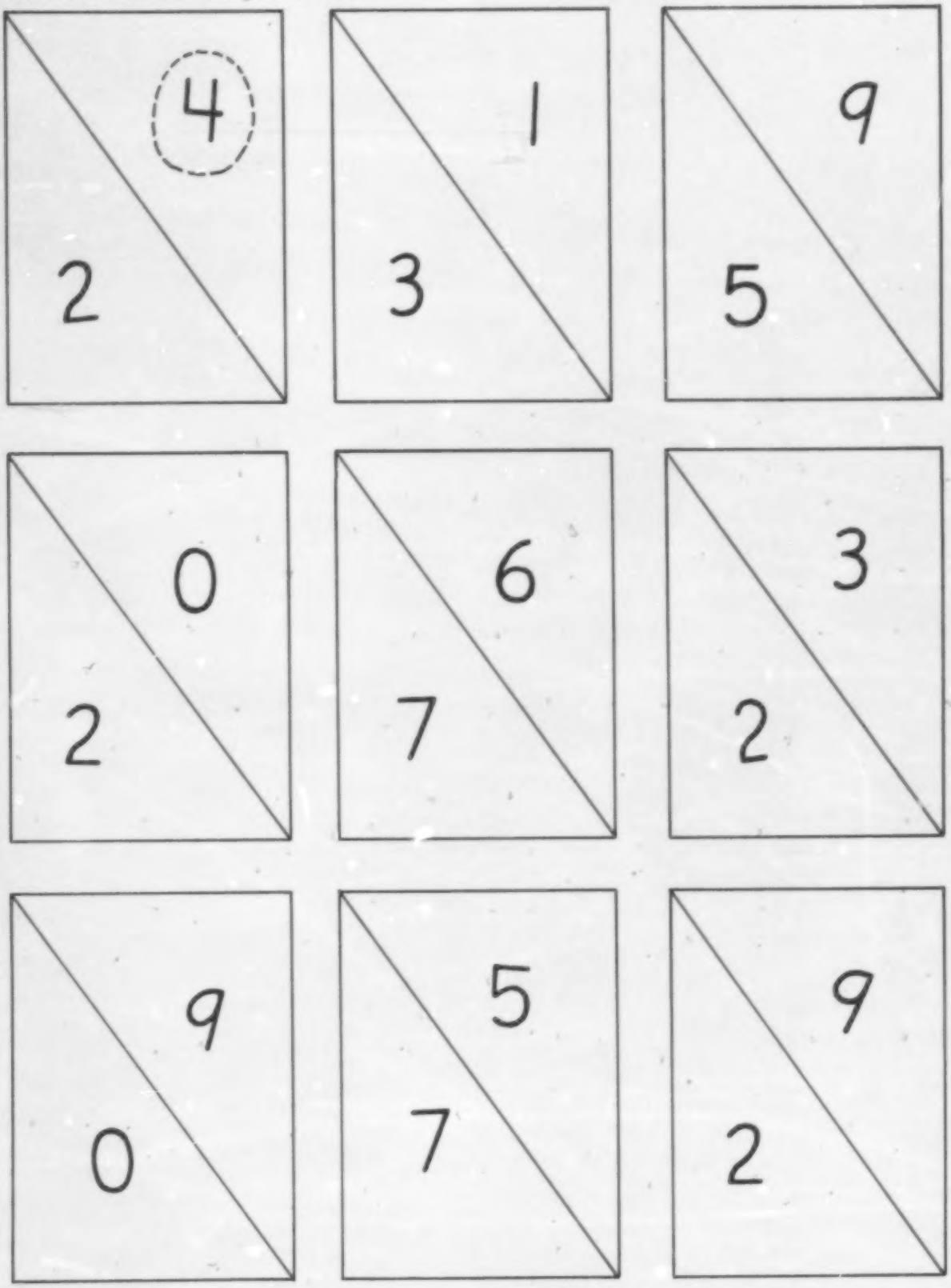




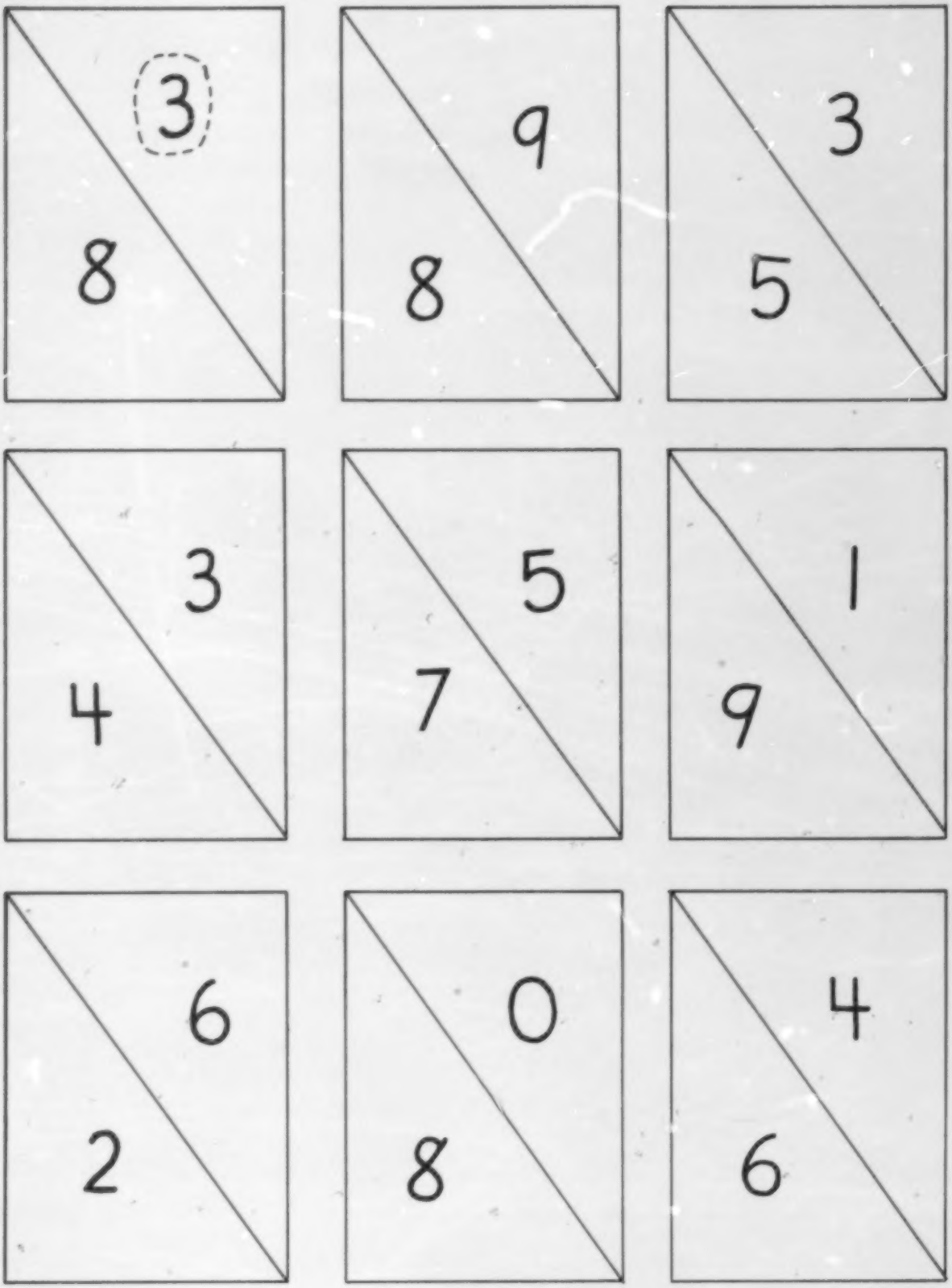




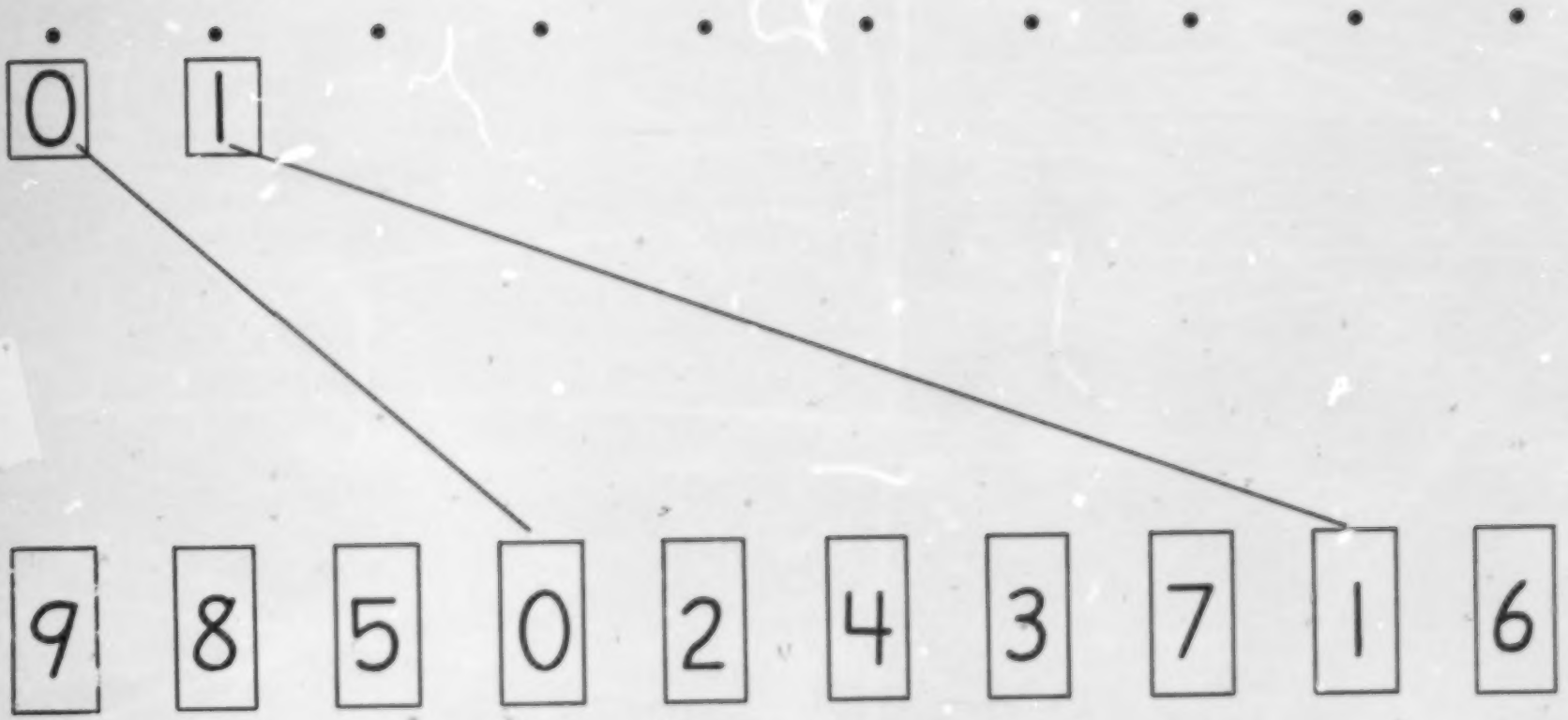
Which number is greater?



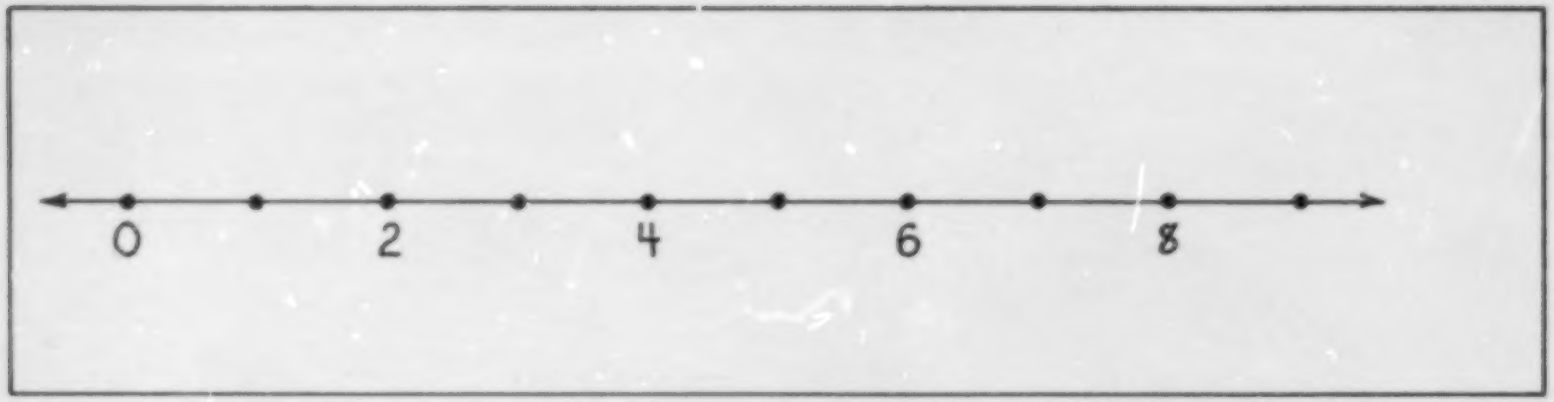
Which number is less?



Where do the numerals belong?



Name the points



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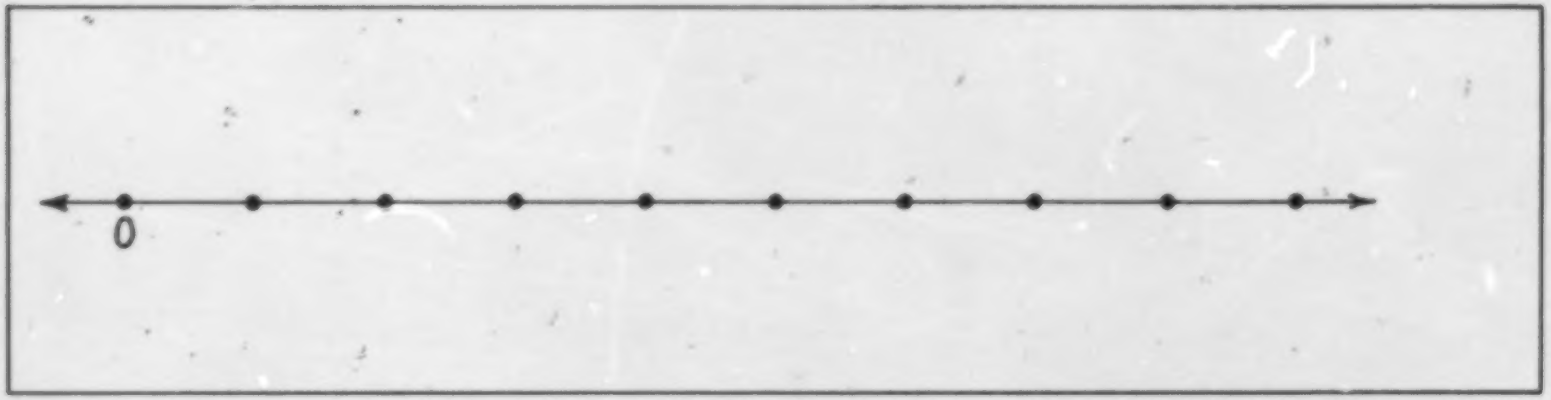
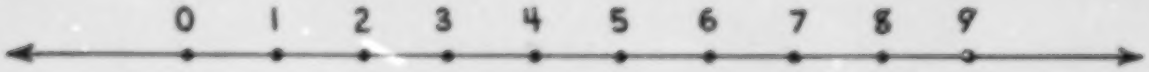


2-3

Use the number line



2	5	7	3	0	1

7	3	9	0	8

4	8	4	1	9

4	6	2	7	5

Use the number line

7	(4)	8	(2)	5

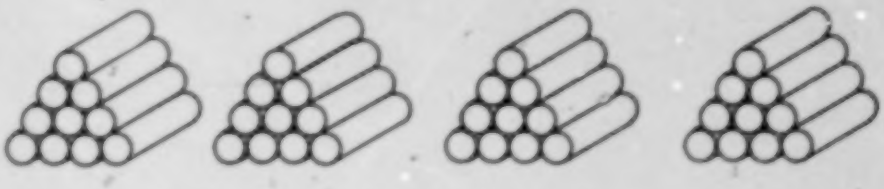
4	3	6	0	9

1	9	6	2	0

9	3	7	6	8

How many tens?

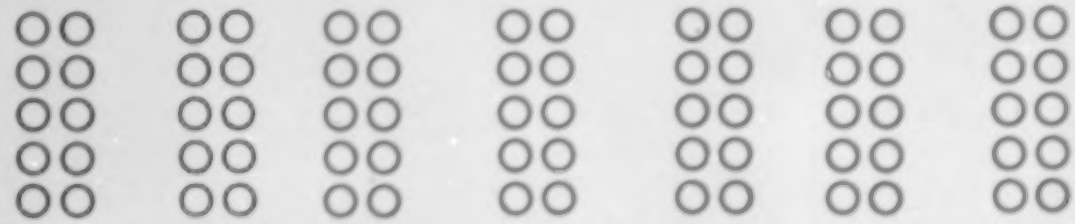
_____ Tens



_____ Tens

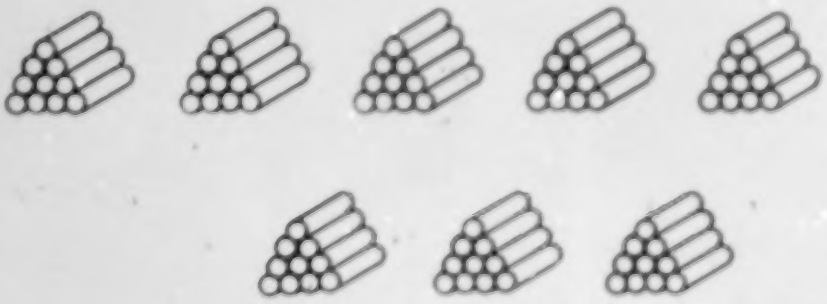
_____ Tens

How many tens?



_____ Tens

_____ Tens



_____ Tens

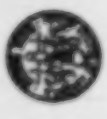
3-

Dimes and cents

One cent

One dime
Ten cents

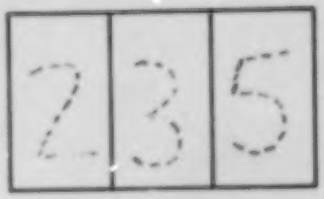
Mark enough pennies to buy each toy.

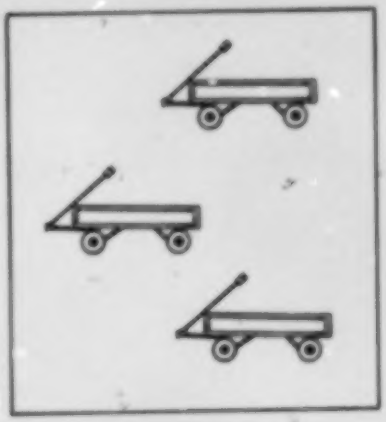


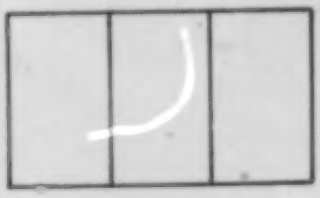
Dimes and cents

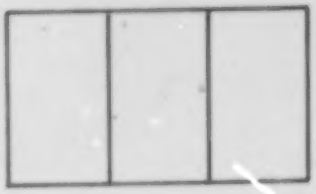
Mark enough pennies to buy each toy

How many?

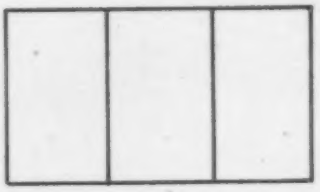


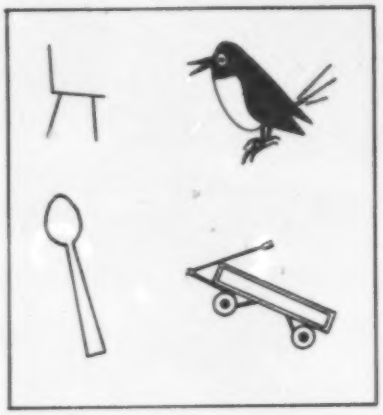


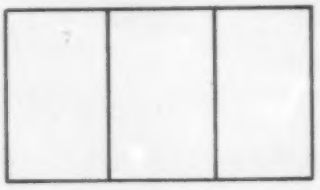




How many?





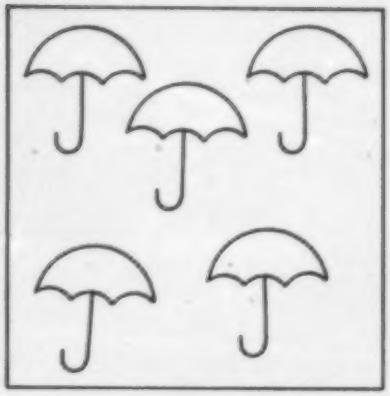


How many? Write the equation

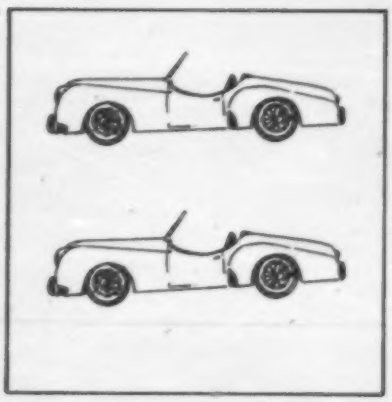
____ + ____ = ____

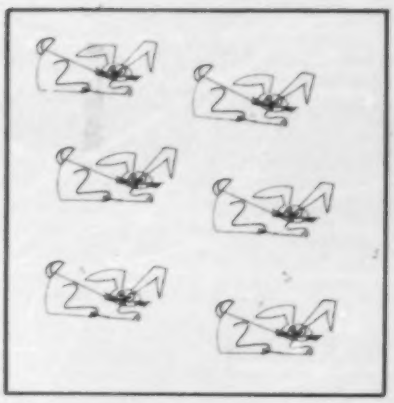
____ + ____ = ____

How many? Write the equation



____ + ____ = ____





____ + ____ = ____

Equations

$4 + 1 = \square$

$2 + 3 = \square$

$3 + 0 = \square$

$0 + 6 = \square$

$2 + 2 = \square$

$1 + 3 = \square$

$1 + 5 = \square$

$2 + 4 = \square$

Equations

$0 + 1 = \square$ $5 + 1 = \square$

$1 + 1 = \square$ $6 + 1 = \square$

$2 + 1 = \square$ $7 + 1 = \square$

$3 + 1 = \square$ $8 + 1 = \square$

$4 + 1 = \square$

Equations

$2 + 0 = \square$	$2 + 4 = \square$
$2 + 1 = \square$	$2 + 5 = \square$
$2 + 2 = \square$	$2 + 6 = \square$
$2 + 3 = \square$	$2 + 7 = \square$

Equations

$3 + 0 = \square$

$3 + 1 = \square$

$3 + 2 = \square$

$3 + 3 = \square$

$3 + 4 = \square$

$3 + 5 = \square$

$3 + 6 = \square$

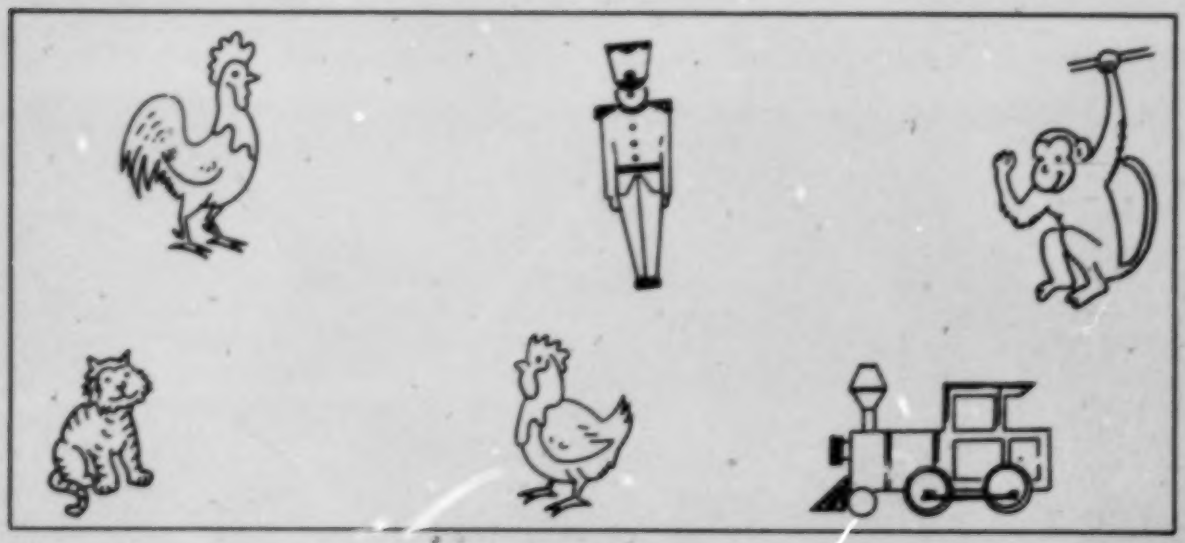
Equations

$2 + 1 = \square$	$1 + 2 = \square$
$3 + 1 = \square$	$1 + 3 = \square$
$2 + 3 = \square$	$3 + 2 = \square$
$4 + 1 = \square$	$1 + 4 = \square$
$2 + 4 = \square$	$4 + 2 = \square$

Equations

$4 + 3 = \square$	$3 + 4 = \square$
$2 + 5 = \square$	$5 + 2 = \square$
$5 + 0 = \square$	$0 + 5 = \square$
$5 + 1 = \square$	$1 + 5 = \square$
$2 + 6 = \square$	$6 + 2 = \square$

A set and some of its subsets



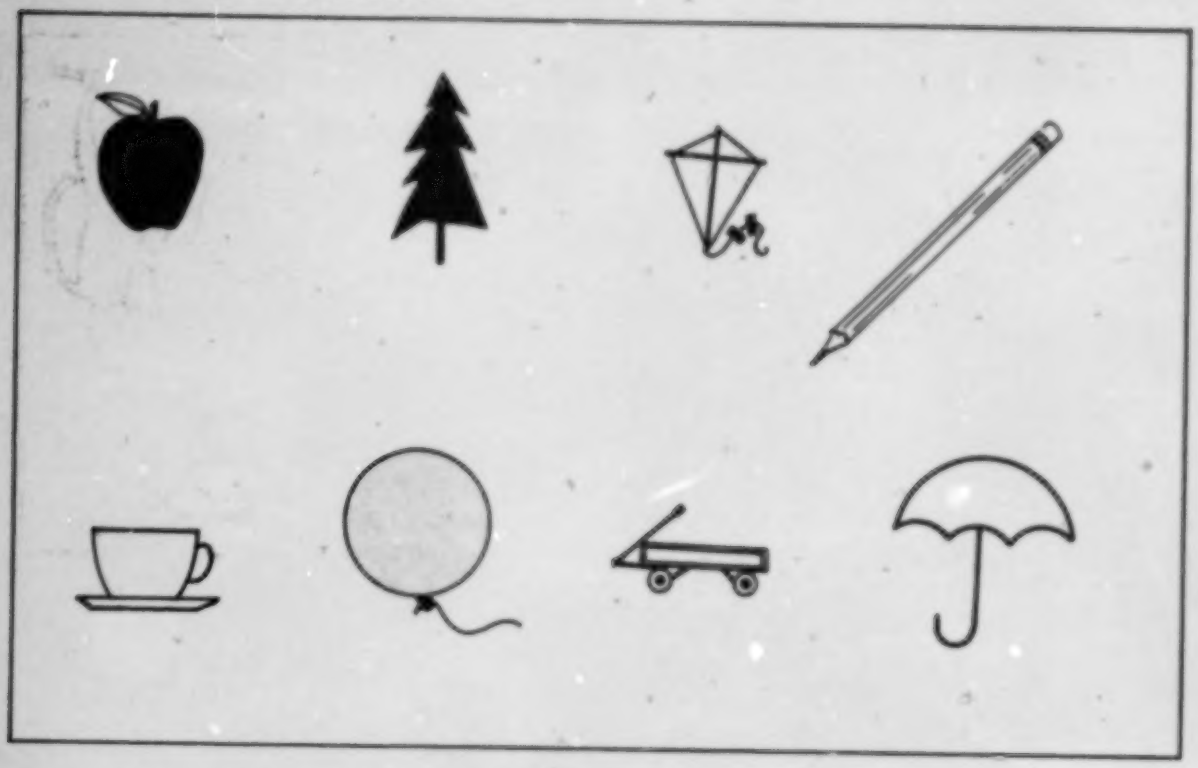
A.

B.

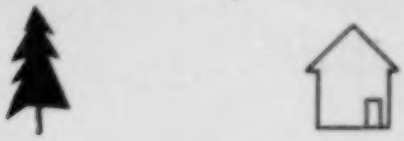
C.

D.

A set and some of its subsets

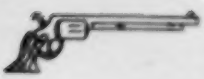


A.

B. 

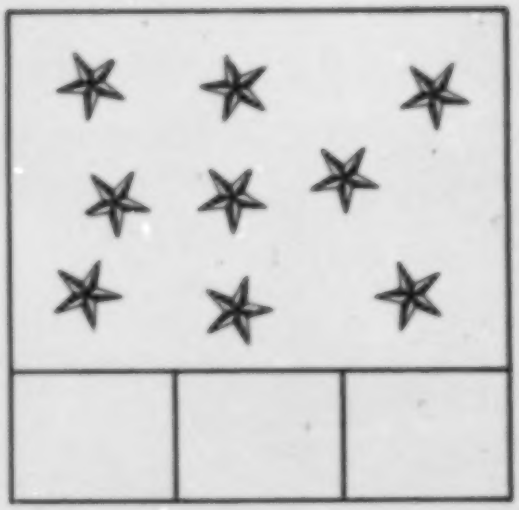
C.

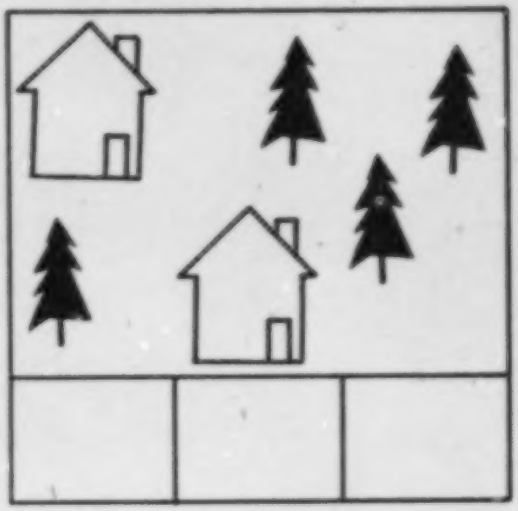
D.

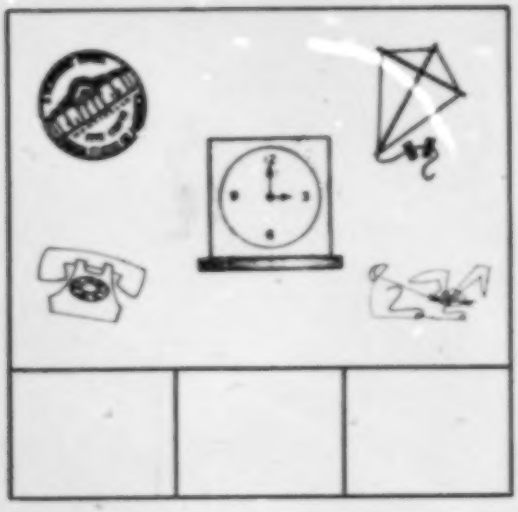
E. 

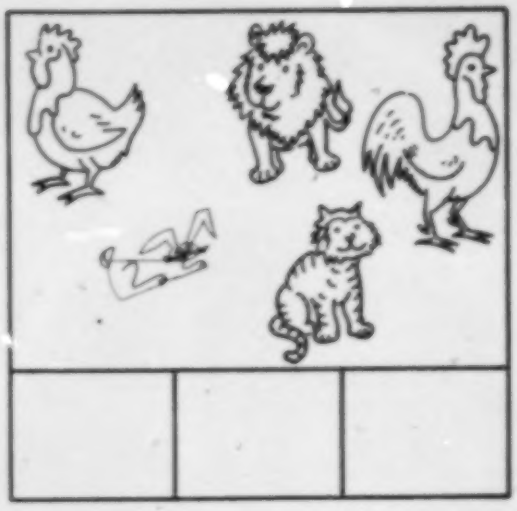
F.

Remove a subset

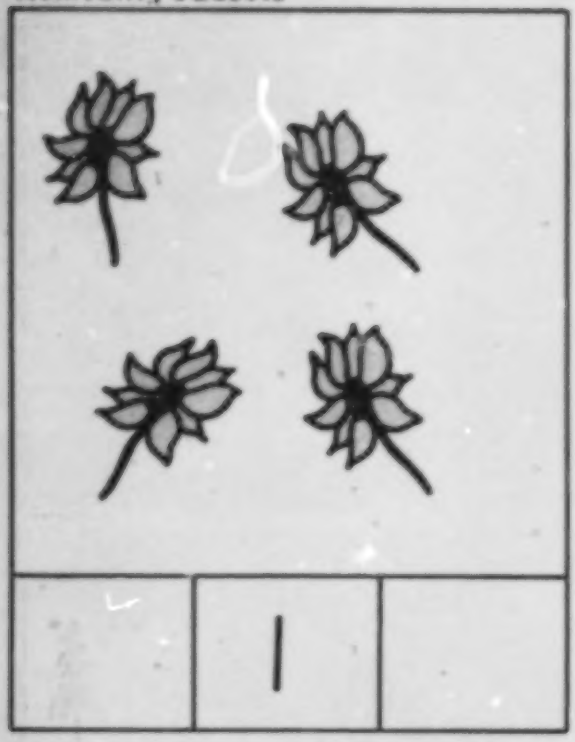


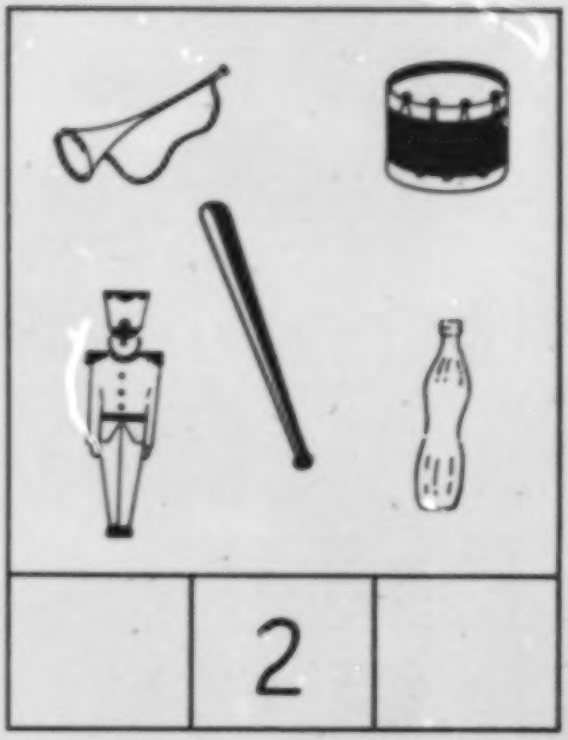


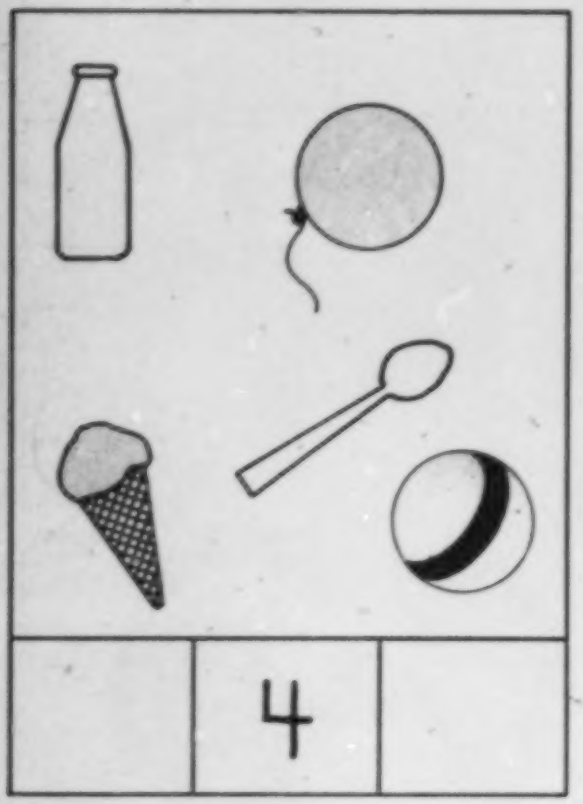


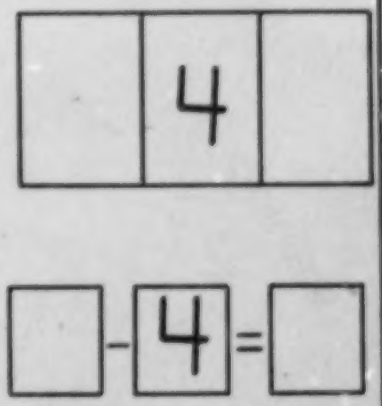
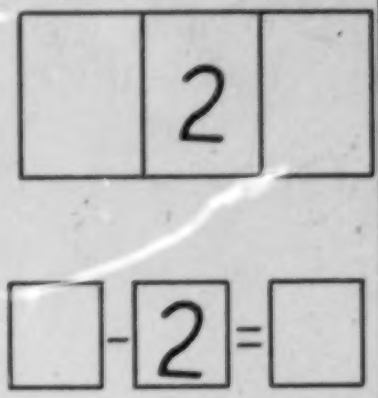
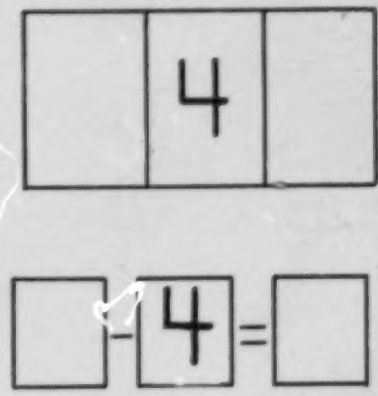


Remobing subsets







Remove a subset	Equation
	
	
	

Remove a subset	Equation
	5 □ - □ = □
	1 □ - □ = □
	6 □ - □ = □

Write the equations

5 - 1 = ☐	3 - 2 = ☐
1 - 1 = ☐	4 - 2 = ☐
3 - 1 = ☐	2 - 1 = ☐
4 - 3 = ☐	5 - 2 = ☐
6 - 2 = ☐	7 - 5 = ☐